

**ORGANICA<sup>®</sup>**  
Feinchemie GmbH Wolfen



**Fine Chemicals  
made in Germany**

Product groups / Applications  
2014

# High-Chem made by ORGANICA

High standards in science and technology and the close co-operation with customers have lead ORGANICA, a manufacturer of traditional photographic and fine chemicals, to the newest areas in the pharmaceutical and electronical industry.

Founded in 1995, ORGANICA, headed by its managing director Dr. Bodo Schulze,

concentrated right from its beginning on the syntheses of high quality and highly refined organic chemicals.

With its own R&D labs, as well as with a pilot and multiple purpose plant and a cGMP Kilo-Lab, the company is open for any inquiries by its customers.

## Product groups | Applications

- Custom and toll manufacturing
- Fine chemicals
- Pharmaceutical intermediates
- Life-science products
- Chiral compounds
- Functional dyes
- Chemicals for opto-electronic applications
- Photochemicals
- Chemicals for galvanic applications

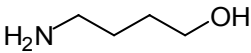
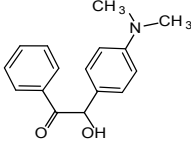
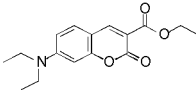
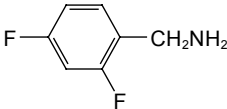
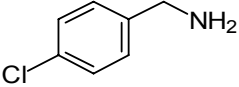
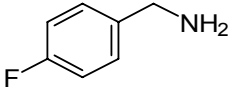
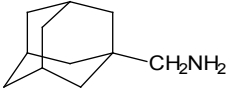
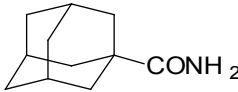
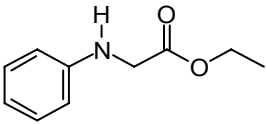
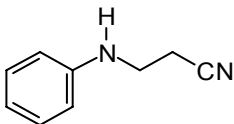
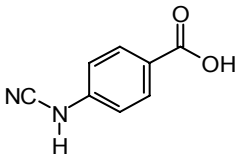
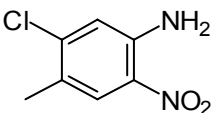
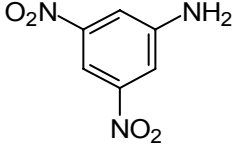
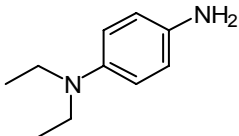
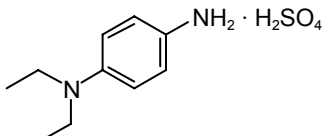
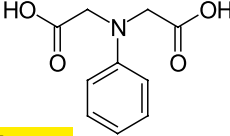


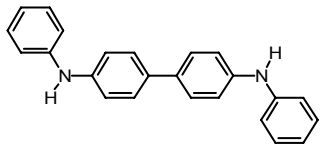
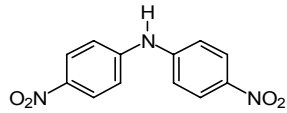
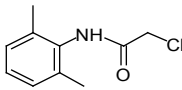
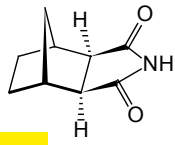
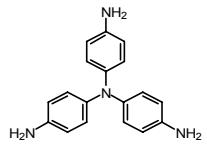
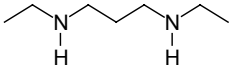
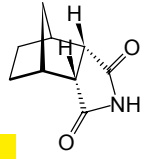
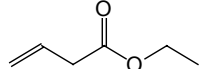
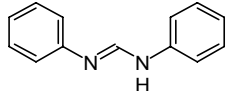
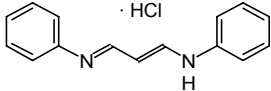
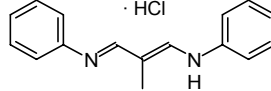
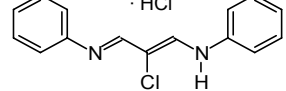
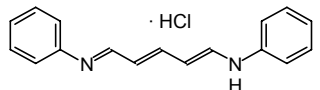
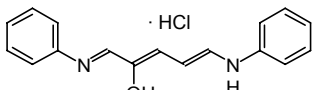
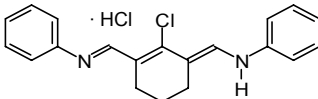
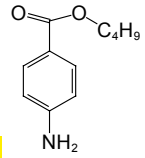
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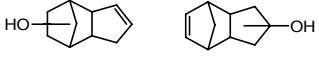
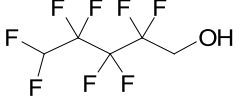
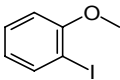
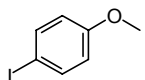
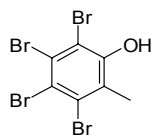
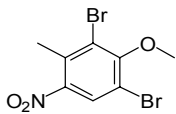
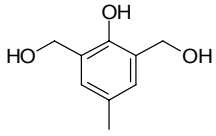
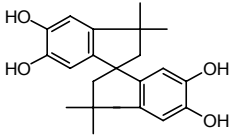
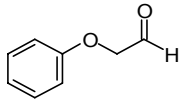
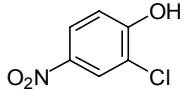
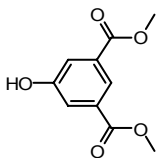
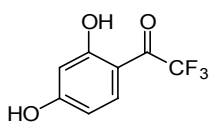
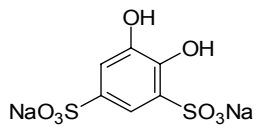
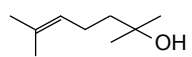
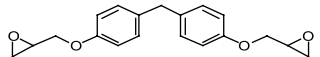
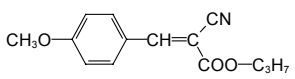


## Amines and Derivatives

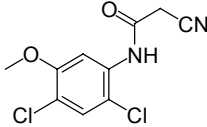
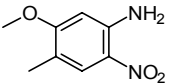
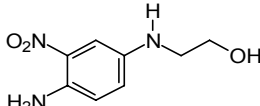
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CAS No.	13325-10-5	CAS No.	6317-85-7	CAS No.	28705-46-6	CAS No.	72235-52-0
	4-Amino-1-butanol		4-Dimethylaminobenzoin		Ethyl 7-diethylaminocoumarin-3-carboxylate		2,4-Difluorobenzylamine
Molecular Formula	C <sub>4</sub> H <sub>11</sub> NO	Molecular Formula	C <sub>16</sub> H <sub>17</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>16</sub> H <sub>19</sub> N <sub>2</sub> O <sub>4</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> F <sub>2</sub> N
							
						<b>NEW</b>	
Code	00110	Code	00450	Code	55000	Code	55010
CAS No.	104-86-9	CAS No.	140-75-0	CAS No.	17768-41-1	CAS No.	5511-18-2
	4-Chlorobenzylamine		4-Fluorobenzylamine		1-(Aminomethyl)adamantane		1-Adamantancarboxamide
Molecular Formula	C <sub>7</sub> H <sub>8</sub> ClN	Molecular Formula	C <sub>7</sub> H <sub>8</sub> FN	Molecular Formula	C <sub>11</sub> H <sub>19</sub> N	Molecular Formula	C <sub>11</sub> H <sub>17</sub> N <sub>2</sub> O
							
Code	05530	Code	44420	Code	65320	Code	14260
CAS No.	2216-92-4	CAS No.	1075-76-9	CAS No.	61700-58-1	CAS No.	7149-80-6
	Ethyl N-phenylglycinate		3-Anilinopropionitrile		4-Cyanaminobenzoic acid		5-Chloro-2-nitro-p-toluidine
Molecular Formula	C <sub>10</sub> H <sub>13</sub> NO <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> S	Molecular Formula	C <sub>8</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> ClN <sub>2</sub> O <sub>2</sub>
							
Code	50770	Code	01970	Code	12991	Code	09920
CAS No.	618-87-1	CAS No.	93-05-0	CAS No.	6283-63-2	CAS No.	1137-73-1
	3,5-Dinitroaniline		N,N-Diethyl-p-phenylenediamine		N,N-Diethyl-p-phenylenediamine sulfate		N-Phenyliminodiacetic acid
Molecular Formula	C <sub>6</sub> H <sub>5</sub> N <sub>3</sub> O <sub>4</sub>	Molecular Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub>	Molecular Formula	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> ·H <sub>2</sub> SO <sub>4</sub>	Molecular Formula	C <sub>10</sub> H <sub>11</sub> N <sub>2</sub> O <sub>4</sub>
							
						<b>NEW</b>	

Code	50830	Code	50870	Code	53540	Code	59290
CAS No.	531-91-9	CAS No.	1821-27-8	CAS No.	1131-01-7	CAS No.	14805-29-9
N,N'-Diphenylbenzidine		4,4'-Dinitrodiphenylamine		N-(2-Chloroacetyl)-2,6-dimethylaniline		exo-2,3-Norbornedicarboximide	
Molecular Formula		Molecular Formula		Molecular Formula		Molecular Formula	
C <sub>24</sub> H <sub>20</sub> N <sub>2</sub>		C <sub>12</sub> H <sub>9</sub> N <sub>3</sub> O <sub>4</sub>		C <sub>10</sub> H <sub>12</sub> ClNO		C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>	
							
						<b>NEW</b>	
Code	50840	Code	63690	Code	70190	Code	70250
CAS No.	5981-09-9	CAS No.	10061-68-4	CAS No.	28871-95-6	CAS No.	1617-18-1
4,4',4''-Triaminotriphenylamine		N,N'-Diethyltrimethylenediamine		endo-2,3-Norbornedicarboximide		Ethyl 3-butenate	
Molecular Formula		Molecular Formula		Molecular Formula		Molecular Formula	
C <sub>18</sub> H <sub>18</sub> N <sub>4</sub>		C <sub>7</sub> H <sub>18</sub> N <sub>2</sub>		C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>		C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	
							
		<b>NEW</b>		<b>NEW</b>		<b>NEW</b>	
Code	13560	Code	45410	Code	45910	Code	46310
CAS No.	622-15-1	CAS No.	28140-60-5	CAS No.		CAS No.	55526-63-1
N,N'-Diphenylformamidine		Malondianil hydrochloride		2-Methylmalondianil hydrochloride		2-Chloromalondianil hydrochloride	
Molecular Formula		Molecular Formula		Molecular Formula		Molecular Formula	
C <sub>13</sub> H <sub>12</sub> N <sub>2</sub>		C <sub>15</sub> H <sub>14</sub> N <sub>2</sub> ·HCl		C <sub>16</sub> H <sub>16</sub> N <sub>2</sub> ·HCl		C <sub>15</sub> H <sub>13</sub> ClN <sub>2</sub> ·HCl	
							
Code	13710	Code	05250	Code	46380	Code	71010
CAS No.	1497-49-0	CAS No.	17315-76-3	CAS No.	63857-00-1	CAS No.	94-25-7
Glutacondianil hydrochloride		2-Hydroxyglutacondianil hydrochloride		3-Chloro-2,4-trimethylene-glutacondianil hydrochloride		Butyl-4-amino-benzoate	
Molecular Formula		Molecular Formula		Molecular Formula		Molecular Formula	
C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> ·HCl		C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O·HCl		C <sub>20</sub> H <sub>19</sub> ClN <sub>2</sub> ·HCl		C <sub>11</sub> H <sub>15</sub> NO <sub>2</sub>	
							
						<b>NEW</b>	


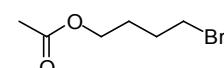
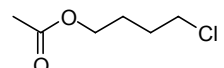
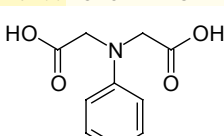
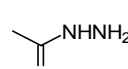
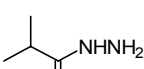
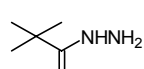
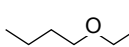
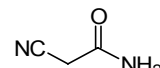

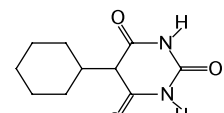

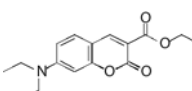
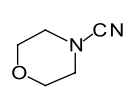
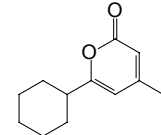
## Alcohol and Phenol Derivatives

Code	34770	Code	08770	Code	51000	Code	60130
CAS No.	37275-49-3	CAS No.	355-80-6	CAS No.	529-28-2	CAS No.	696-62-8
	Dicyclopentadiene alcohol		2,2,3,3,4,4,5,5-Octafluoropentanol		2-Iodoanisole		4-Iodoanisole
Molecular Formula	C <sub>10</sub> H <sub>14</sub> O	Molecular Formula	C <sub>5</sub> H <sub>4</sub> F <sub>8</sub> O	Molecular Formula	C <sub>7</sub> H <sub>7</sub> IO	Molecular Formula	C <sub>7</sub> H <sub>7</sub> IO
							
Code	01540	Code	42850	Code	13270	Code	12422
CAS No.	576-55-6	CAS No.	62265-99-0	CAS No.	91-04-3	CAS No.	77-08-7
	3,4,5,6-Tetrabromo-o-cresol		2,6-Dibromo-3-methyl-4-nitro-anisole		2,6-Bis(hydroxymethyl)-p-cresol		5,5',6,6'-Tetrahydroxy-3,3,3',3'-tetramethyl-1,1'-spirobisindane
Molecular Formula	C <sub>7</sub> H <sub>4</sub> Br <sub>4</sub> O	Molecular Formula	C <sub>8</sub> H <sub>7</sub> Br <sub>2</sub> NO <sub>3</sub>	Molecular Formula	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>	Molecular Formula	C <sub>21</sub> H <sub>24</sub> O <sub>4</sub>
							
Code	34980	Code	42871	Code	13240	Code	51410
CAS No.	2120-70-9	CAS No.	619-08-9	CAS No.	13036-02-7	CAS No.	315-44-6
	Phenoxyacetaldehyde		2-Chloro-4-nitrophenol		Dimethyl 5-hydroxyisophthalate		2',4'-Dihydroxy-2,2,2-trifluoroacetophenone
Molecular Formula	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Molecular Formula	C <sub>6</sub> H <sub>4</sub> ClNO <sub>3</sub>	Molecular Formula	C <sub>10</sub> H <sub>10</sub> O <sub>5</sub>	Molecular Formula	C <sub>8</sub> H <sub>5</sub> F <sub>3</sub> O <sub>3</sub>
							
Code	12200	Code	35480	Code	40500	Code	70840
CAS No.	149-45-1	CAS No.	6090-15-9	CAS No.	2095-03-6	CAS No.	93966-57-5
	Disodium pyrocatechol-3,5-disulfonate		2,6-Dimethyl-5-hepten-2-ol		Bisphenol F Diglycidylether		2-Cyano-3-(4-methoxyphenyl)-2-propenoic acid propyl ester
Molecular Formula	C <sub>6</sub> H <sub>6</sub> O <sub>8</sub> S <sub>2</sub> ,2Na	Molecular Formula	C <sub>9</sub> H <sub>18</sub> O	Molecular Formula	C <sub>19</sub> H <sub>20</sub> O <sub>4</sub>	Molecular Formula	C <sub>14</sub> H <sub>15</sub> NO <sub>3</sub>
							
						<b>NEW</b>	

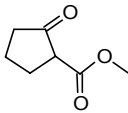
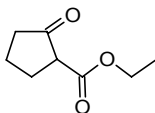
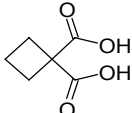
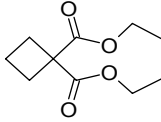
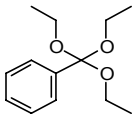
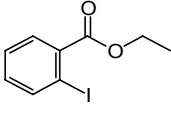
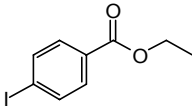
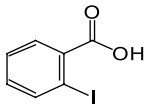
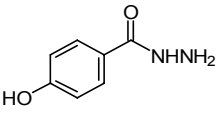
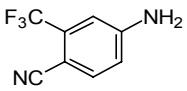
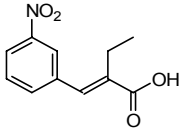
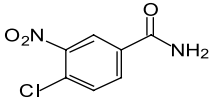
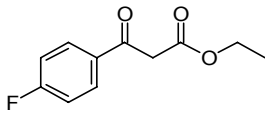
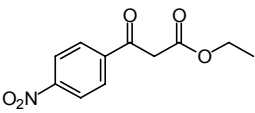
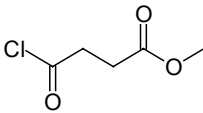
## Aminoalcohols and Aminophenol Derivatives

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CAS No.	6317-85-7	CAS No.	39549-31-0	CAS No.	614-80-2	CAS No.	846023-24-3
	4-Dimethylaminobenzoin		2-Amino-4,6-dichloro-5-methylphenol hydrochloride		2-Acetamidophenol		2-Cyano-N-(2,4-dichloro-5-methoxyphenyl) acetamide
Molecular Formula	C <sub>16</sub> H <sub>17</sub> N <sub>02</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> Cl <sub>2</sub> N <sub>0</sub> ·HCl	Molecular Formula	C <sub>8</sub> H <sub>9</sub> N <sub>02</sub>	Molecular Formula	C <sub>10</sub> H <sub>8</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
							
						<b>NEW</b>	
Code	13630	Code	15410	Code	48030		
CAS No.	1134-36-7	CAS No.	55-55-0	CAS No.	2843-27-8		
	3-Amino-4-hydroxybiphenyl		4-Methylaminophenol sulfate		2-Hydroxyformanilide		
Molecular Formula	C <sub>12</sub> H <sub>11</sub> N <sub>0</sub>	Molecular Formula	C <sub>7</sub> H <sub>9</sub> N <sub>0</sub> ·½H <sub>2</sub> SO <sub>4</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> N <sub>02</sub>		
							
Code	26140	Code	13260	Code	36410	Code	65550
CAS No.	86771-76-8	CAS No.	52671-64-4	CAS No.	121-88-0	CAS No.	98446-49-2
	5-Methoxy-2-nitro-p-toluidine		4-Amino-3-chlorophenol hydrochloride		2-Amino-5-nitrophenol		2,4-Dichloro-5-methoxyaniline
Molecular Formula	C <sub>8</sub> H <sub>10</sub> N <sub>02</sub> O <sub>3</sub>	Molecular Formula	C <sub>6</sub> H <sub>6</sub> Cl <sub>0</sub> N <sub>0</sub> ·HCl	Molecular Formula	C <sub>6</sub> H <sub>6</sub> N <sub>02</sub> O <sub>3</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> Cl <sub>2</sub> N <sub>0</sub>
							
Code	50580	Code	50510	Code	50610	Code	44270
CAS No.	4926-55-0	CAS No.	99610-72-7	CAS No.	24905-87-1	CAS No.	84041-77-0
	N-(2-Hydroxyethyl)-2-nitroaniline		4,6-Dinitro-2-(2-hydroxyethyl)aminophenol		4-(2-Hydroxyethyl)amino-2-nitroaniline		2,5-Bis[(2-hydroxyethyl)amino]-nitrobenzene
Molecular Formula	C <sub>8</sub> H <sub>10</sub> N <sub>02</sub> O <sub>3</sub>	Molecular Formula	C <sub>8</sub> H <sub>9</sub> N <sub>03</sub> O <sub>6</sub>	Molecular Formula	C <sub>8</sub> H <sub>11</sub> N <sub>03</sub> O <sub>3</sub>	Molecular Formula	C <sub>10</sub> H <sub>15</sub> N <sub>03</sub> O <sub>4</sub>
							

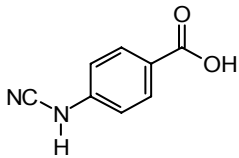
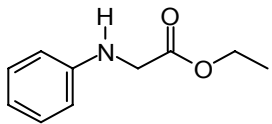
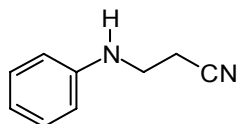
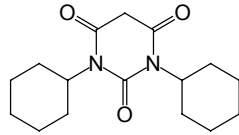
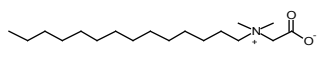
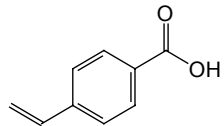
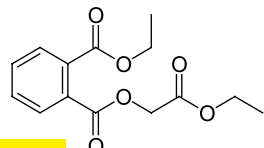
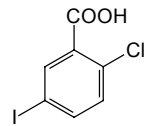
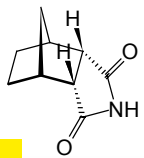
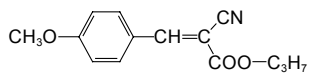
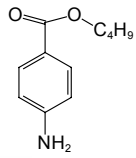
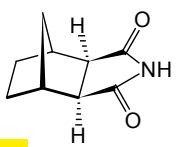
## Carboxylic Acids and Derivatives

Code	13720	Code	13660	Code	09920		
CAS No.	4753-59-7	CAS No.	6962-92-1	CAS No.	1137-73-1		
	4-Bromobutylacetate		4-Chlorobutylacetate		N-Phenyliminodiacetic acid		
Molecular Formula	C <sub>6</sub> H <sub>11</sub> BrO <sub>2</sub>	Molecular Formula	C <sub>6</sub> H <sub>11</sub> ClO <sub>2</sub>	Molecular Formula	C <sub>10</sub> H <sub>11</sub> NO <sub>4</sub>		
							
				<b>NEW</b>			
Code	66850	Code	66680	Code	66580	Code	00190
CAS No.	1068-57-1	CAS No.	3619-17-8	CAS No.	42826-42-6	CAS No.	628-81-9
	Acetohydrazide		Isobutyrohydrazide		Pivaloylhydrazide		n-Butylethylether
Molecular Formula	C <sub>2</sub> H <sub>6</sub> N <sub>2</sub> O	Molecular Formula	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O	Molecular Formula	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O	Molecular Formula	C <sub>6</sub> H <sub>14</sub> O
							
Code	36830	Code	27361	Code	13200	Code	54240
CAS No.	107-91-5	CAS No.	5332-06-9	CAS No.	2318-25-4	CAS No.	7391-70-0
	Cyanoacetamide		4-Bromobutyronitril		Ethyl 3-ethoxy-3-iminopropionate hydrochloride		5-Cyclohexylbarbituric acid
Molecular Formula	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> O	Molecular Formula	C <sub>4</sub> H <sub>6</sub> BrN	Molecular Formula	C <sub>7</sub> H <sub>13</sub> NO <sub>3</sub> ·HCl	Molecular Formula	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>
							
Code	27700	Code	08610	Code	53210	Code	59710
CAS No.	601-75-2	CAS No.	28705-46-6	CAS No.	1530-89-8	CAS No.	14818-35-0
	Ethylmalonic acid		Ethyl 7-diethylaminocoumarin-3-carboxylate		N-Cyanomorpholine		6-Cyclohexyl-4-methyl-2-pyrone
Molecular Formula	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	Molecular Formula	C <sub>16</sub> H <sub>19</sub> NO <sub>4</sub>	Molecular Formula	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub> O	Molecular Formula	C <sub>12</sub> H <sub>16</sub> O <sub>2</sub>
							
						<b>NEW</b>	


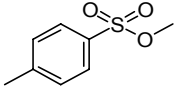
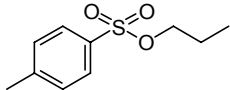
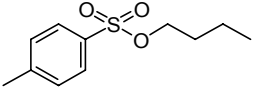
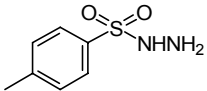
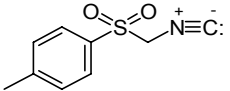
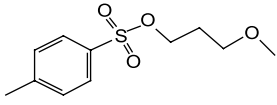
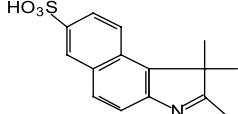
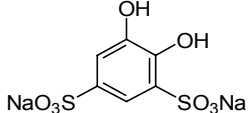
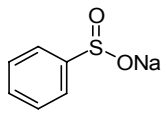
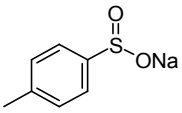
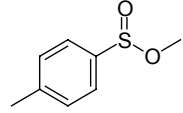
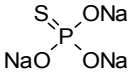
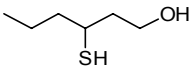
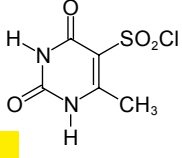
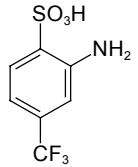


Code	05580	Code	08580	Code	35590	Code	35600
CAS No.	10472-24-9	CAS No.	611-10-9	CAS No.	5445-51-2	CAS No.	3779-29-1
	Methyl 2-oxocyclopentanecarboxylate		Ethyl 2-oxocyclopentanecarboxylate		Cyclobutane-1,1-dicarboxylic acid		Diethyl cyclobutane-1,1-dicarboxylate
Molecular Formula	C7H10O3	Molecular Formula	C8H12O3	Molecular Formula	C6H8O4	Molecular Formula	C10H16O4
							
Code	09010	Code	50990	Code	06100	Code	53630
CAS No.	1663-61-2	CAS No.	39252-69-2	CAS No.	51934-41-9	CAS No.	88-67-5
	Triethylorthoacetate		Ethyl 2-iodobenzoate		Ethyl 4-iodobenzoate		2-Iodobenzoic acid
Molecular Formula	C13H18O3	Molecular Formula	C9H9IO2	Molecular Formula	C9H9IO2	Molecular Formula	C7H5IO2
							
Code	37970	Code	50980	Code	36800	Code	45640
CAS No.	5351-23-5	CAS No.	654-70-6	CAS No.	5253-02-1	CAS No.	16586-60-0
	4-Hydroxybenzhydrazide		4-Amino-2-trifluoromethylbenzonitrile		alpha-Ethyl-m-nitrocinnamic acid		4-Chloro-3-nitrobenzamide
Molecular Formula	C7H8N2O2	Molecular Formula	C8H5F3N2	Molecular Formula	C11H11NO4	Molecular Formula	C7H5ClN2O3
							
Code	65360	Code	13010	Code	50320		
CAS No.	1999-00-4	CAS No.	838-57-3	CAS No.	1490-25-1		
	Ethyl p-fluorobenzoylacetate		Ethyl 4-nitrobenzoylacetate		Methylsuccinyl chloride		
Molecular Formula	C11H11FO3	Molecular Formula	C11H11NO3	Molecular Formula	C5H7ClO3		
							
				<b>NEW</b>			

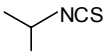

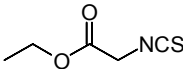
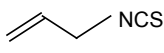
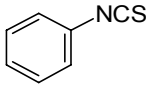
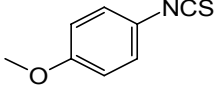
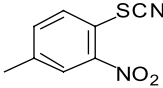
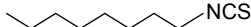
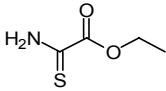
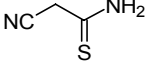
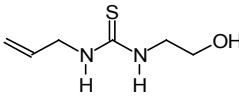
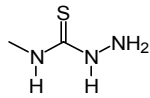
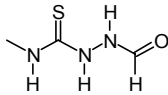
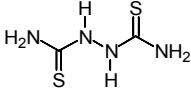
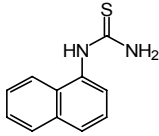
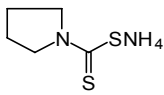
## Carboxylic Acids and Derivatives

Code	65320	Code	05530	Code	44420	Code	69480
CAS No.	61700-58-1	CAS No.	2216-92-4	CAS No.	1075-76-9	CAS No.	35824-91-0
	4-Cyanaminobenzoic acid		Ethyl N-phenylglycinate		3-Anilinopropionitrile		1,3-Dicyclohexylbarbituric acid
Molecular Formula	C <sub>8</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>10</sub> H <sub>13</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> S	Molecular Formula	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>3</sub>
							
						<b>NEW</b>	
Code	51980	Code	57370	Code	64610	Code	69530
CAS No.	2601-33-4	CAS No.	1075-49-6	CAS No.	84-72-0	CAS No.	19094-56-5
	N,N-Dimethyl-N-tetradecylaminoacetic betaine		4-Vinylbenzoic acid		Ethylphthalylethylglycolate		2-Chloro-5-iodo-benzoic acid
Molecular Formula	C <sub>18</sub> H <sub>37</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	Molecular Formula	C <sub>14</sub> H <sub>16</sub> O <sub>6</sub>	Molecular Formula	C <sub>7</sub> H <sub>4</sub> ClI <sub>2</sub> O <sub>2</sub>
							
		<b>NEW</b>		<b>NEW</b>		<b>NEW</b>	
Code	70190	Code	70840	Code	71010	Code	59290
CAS No.	28871-95-6	CAS No.	93966-57-5	CAS No.	94-25-7	CAS No.	14805-29-9
	endo-2,3-Norbornanedicarboximide		2-Cyano-3-(4-methoxyphenyl)-2-propenoic acid propyl ester		Butyl-4-amino-benzoate		exo-2,3-Norbornanedicarboximide
Molecular Formula	C <sub>9</sub> H <sub>11</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>14</sub> H <sub>15</sub> N <sub>2</sub> O <sub>3</sub>	Molecular Formula	C <sub>11</sub> H <sub>15</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>11</sub> N <sub>2</sub> O <sub>2</sub>
							
<b>NEW</b>		<b>NEW</b>		<b>NEW</b>		<b>NEW</b>	



Code	13671	Code	04170	Code	02110	Code	45510
CAS No.	1633-83-6	CAS No.	80-48-8	CAS No.	599-91-7	CAS No.	778-28-9
	1,4-Butane sulfone		Methyltosylate		n-Propyltosylate		n-Butyltosylate
Molecular Formula	C <sub>4</sub> H <sub>8</sub> O <sub>3</sub> S	Molecular Formula	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub> S	Molecular Formula	C <sub>10</sub> H <sub>14</sub> O <sub>3</sub> S	Molecular Formula	C <sub>11</sub> H <sub>16</sub> O <sub>3</sub> S
							
Code	66630	Code	36730	Code	53870	Code	33700
CAS No.	1576-35-8	CAS No.	36635-61-7	CAS No.	54646-36-5	CAS No.	113995-55-4
	Tosylhydrazide		Tosylmethylisocyanide		Methoxypropyl-4-methylbenzol-sulfonate		6-Sulfo-TMBI
Molecular Formula	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>6</sub> H <sub>7</sub> NOS <sub>2</sub>	Molecular Formula	C <sub>11</sub> H <sub>16</sub> O <sub>4</sub> S	Molecular Formula	C <sub>15</sub> H <sub>15</sub> N <sub>3</sub> O <sub>3</sub> S
							
Code	12200	Code	00540	Code	12060	Code	01810
CAS No.	149-45-1	CAS No.	873-55-2	CAS No.	824-79-3	CAS No.	672-78-6
	Disodium pyrocatechol-3,5-disulfonate		Sodium benzenesulfinate		Sodium p-toluenesulfinate		Methyl-p-toluenesulfinate (solution, 30 weight% in toluene)
Molecular Formula	C <sub>6</sub> H <sub>6</sub> O <sub>8</sub> S <sub>2</sub> ,2Na	Molecular Formula	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> S,Na	Molecular Formula	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> S,Na	Molecular Formula	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> S
							
						<b>NEW</b>	
Code	27960	Code	34361	Code	08600	Code	72020
CAS No.	10101-88-9	CAS No.	51755-83-0	CAS No.	6461-30-9	CAS No.	1513-44-6
	Sodium thiophosphate		3-Mercapto-1-hexanol		6-Methyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidine-5-sulfonyl chloride		Trifluoromethylsulfoaniline
Molecular Formula	Na <sub>3</sub> PO <sub>3</sub> S	Molecular Formula	C <sub>6</sub> H <sub>14</sub> OS	Molecular Formula	C <sub>5</sub> H <sub>5</sub> CIN <sub>2</sub> O <sub>4</sub> S	Molecular Formula	C <sub>7</sub> H <sub>6</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub> S
							
				<b>NEW</b>		<b>NEW</b>	

## Thio and Urea Compounds

Code	37700	Code	34200	Code	36770	Code	21220
CAS No.	2253-73-8	CAS No.	590-42-1	CAS No.	24066-82-8	CAS No.	57-06-7
Isopropyl isothiocyanate		tert. Butyl isothiocyanate		Ethoxycarbonylmethyl isothiocyanate		Allyl isothiocyanate	
Molecular Formula	C <sub>4</sub> H <sub>7</sub> NS	Molecular Formula	C <sub>5</sub> H <sub>9</sub> NS	Molecular Formula	C <sub>5</sub> H <sub>7</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>4</sub> H <sub>5</sub> NS
							
						<b>NEW</b>	
Code	22070	Code	00720	Code	02320	Code	45160
CAS No.	103-72-0	CAS No.	2284-20-0	CAS No.	71215-88-8	CAS No.	4430-45-9
Phenyl isothiocyanate		4-Methoxyphenyl isothiocyanate		4-Methyl-2-nitrophenyl thiocyanate		Octylisothiocyanate	
Molecular Formula	C <sub>7</sub> H <sub>5</sub> NS	Molecular Formula	C <sub>8</sub> H <sub>7</sub> NOS	Molecular Formula	C <sub>8</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>9</sub> H <sub>17</sub> NS
							
Code	35370	Code	47100	Code	67360	Code	04190
CAS No.	16982-21-1	CAS No.	7357-70-2	CAS No.	105-81-7	CAS No.	6610-29-3
Ethylthioxamate		2-Cyanothioacetamide		N-Allyl-N'-(2-hydroxyethyl)thiourea		4-Methyl-3-thiosemicarbazide	
Molecular Formula	C <sub>2</sub> H <sub>7</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> S	Molecular Formula	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>2</sub> H <sub>7</sub> N <sub>3</sub> S
							
Code	04210	Code	35190	Code	46320	Code	68480
CAS No.		CAS No.	142-46-1	CAS No.	86-88-4	CAS No.	5108-96-3
1-Formyl-4-methyl-3-thiosemicarbazide		2,5-Dithiobiurea		1-Naphthylthiourea		Ammonium pyrrolidinodithiocarboxylate	
Molecular Formula	C <sub>3</sub> H <sub>7</sub> N <sub>3</sub> O <sub>2</sub> S	Molecular Formula	C <sub>2</sub> H <sub>6</sub> N <sub>4</sub> S <sub>2</sub>	Molecular Formula	C <sub>11</sub> H <sub>10</sub> N <sub>2</sub> S	Molecular Formula	C <sub>5</sub> H <sub>9</sub> NS <sub>2</sub> ,NH <sub>3</sub>
							

Code	00450	Code	65360	Code	51410
CAS No.	140-75-0	CAS No.	1999-00-4	CAS No.	315-44-6
	4-Fluorobenzylamine		Ethyl p-fluorobenzoylacetate		2',4'-Dihydroxy-2,2,2-trifluoroacetophenone
Molecular Formula	C7H8FN	Molecular Formula	C11H11FO3	Molecular Formula	C8H5F3O3

Code	50980	Code	58780	Code	69530
CAS No.	654-70-6	CAS No.	72235-52-0	CAS No.	19094-56-5
	4-Amino-2-trifluoromethylbenzonitrile		2,4-Difluorobenzylamine		2-Chloro-5-iodo-benzoic acid
Molecular Formula	C8H5F3N2	Molecular Formula	C7H7F2N	Molecular Formula	C7H4ClIO2
		<b>NEW</b>		<b>NEW</b>	

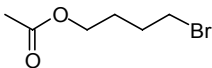
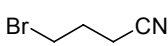
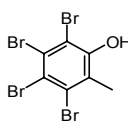
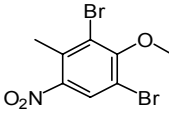
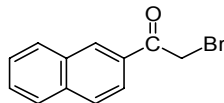
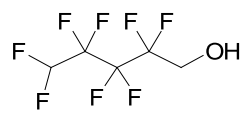
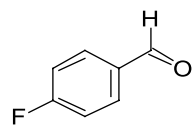
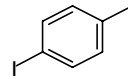
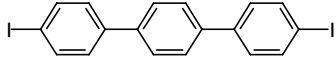
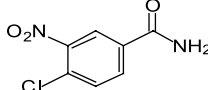
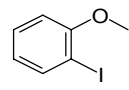
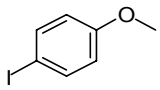
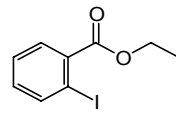
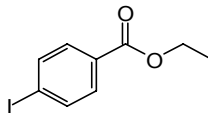
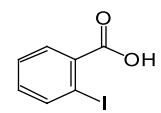
Code	13660	Code	00110	Code	42871
CAS No.	6962-92-1	CAS No.	104-86-9	CAS No.	619-08-9
	4-Chlorobutylacetate		4-Chlorobenzylamine		2-Chloro-4-nitrophenol
Molecular Formula	C6H11ClO2	Molecular Formula	C7H8ClN	Molecular Formula	C6H4ClNO3

Code	14260	Code	13260	Code	65550
CAS No.	7149-80-6	CAS No.	52671-64-4	CAS No.	98446-49-2
	5-Chloro-2-nitro-p-toluidine		3-Chloro-4-aminophenol hydrochloride		2,4-Dichloro-5-methoxyaniline hydrochloride
Molecular Formula	C7H7ClN2O2	Molecular Formula	C6H6ClNO · HCl	Molecular Formula	C7H7Cl2NO





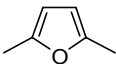
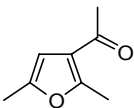
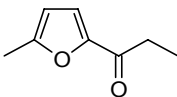
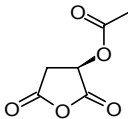
## Halogenated Aliphates and Aromates

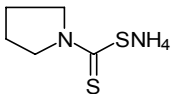
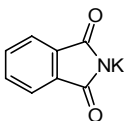
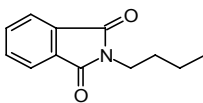
Code	13720	Code	27361	Code	01540	Code	42850
CAS No.	4753-59-7	CAS No.	5332-06-9	CAS No.	576-55-6	CAS No.	62265-99-0
	4-Bromobutylacetate		4-Bromobutyronitril		3,4,5,6-Tetrabromo-o-cresol		2,6-Dibromo-3-methyl-4-nitroanisole
Molecular Formula	C <sub>6</sub> H <sub>11</sub> BrO <sub>2</sub>	Molecular Formula	C <sub>4</sub> H <sub>6</sub> BrN	Molecular Formula	C <sub>7</sub> H <sub>4</sub> Br <sub>4</sub> O	Molecular Formula	C <sub>8</sub> H <sub>7</sub> Br <sub>2</sub> NO <sub>3</sub>
							
Code	34840	Code	08770	Code	23810		
CAS No.	613-54-7	CAS No.	355-80-6	CAS No.	459-57-4		
	2-Bromoacetylnaphthalene		2,2,3,3,4,4,5,5-Octafluoropentanol		4-Fluorbenzaldehyd		
Molecular Formula	C <sub>12</sub> H <sub>9</sub> BrO	Molecular Formula	C <sub>5</sub> H <sub>4</sub> F <sub>8</sub> O	Molecular Formula	C <sub>7</sub> H <sub>5</sub> FO		
							
Code	04940	Code	34400	Code	45640	Code	51000
CAS No.	624-31-7	CAS No.	19053-14-6	CAS No.	16586-60-0	CAS No.	529-28-2
	4-Iodotoluene		4,4'-Diiodo-p-terphenyl		4-Chloro-3-nitrobenzamide		2-Iodoanisole
Molecular Formula	C <sub>7</sub> H <sub>7</sub> I	Molecular Formula	C <sub>18</sub> H <sub>12</sub> I <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>5</sub> ClN <sub>2</sub> O <sub>3</sub>	Molecular Formula	C <sub>7</sub> H <sub>7</sub> IO
							
Code	60130	Code	50990	Code	06100	Code	53630
CAS No.	696-62-8	CAS No.	39252-69-2	CAS No.	51934-41-9	CAS No.	88-67-5
	4-Iodoanisole		Ethyl 2-iodobenzoate		Ethyl 4-iodobenzoate		2-Iodobenzoic acid
Molecular Formula	C <sub>7</sub> H <sub>7</sub> IO	Molecular Formula	C <sub>9</sub> H <sub>9</sub> IO <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>9</sub> IO <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>5</sub> IO <sub>2</sub>
							

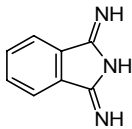
Code	07910	Code	06490	Code	34180
CAS No.	1031-15-8	CAS No.	1779-49-3	CAS No.	1034-49-7
	Methyltriphenylphosphonium chloride		Methyltriphenylphosphonium bromide		Bromomethyltriphenylphosphonium bromide
Molecular Formula	C <sub>19</sub> H <sub>18</sub> P.Cl	Molecular Formula	C <sub>19</sub> H <sub>18</sub> P.Br	Molecular Formula	C <sub>19</sub> H <sub>17</sub> BrP.Br
Code	65960	Code	05440	Code	07500
CAS No.	896-33-3	CAS No.	1530-32-1	CAS No.	4736-60-1
	Ethyltriphenylphosphonium chloride		Ethyltriphenylphosphonium bromide		Ethyltriphenylphosphonium iodide
Molecular Formula	C <sub>20</sub> H <sub>20</sub> P.Cl	Molecular Formula	C <sub>20</sub> H <sub>20</sub> P.Br	Molecular Formula	C <sub>20</sub> H <sub>20</sub> P.I
Code	07280	Code	46720	Code	52890
CAS No.	13371-17-0	CAS No.	1779-51-7	CAS No.	25371-54-4
	Butyltriphenylphosphonium chloride		Butyltriphenylphosphonium bromide		1-Octadecylphosphonsäure-dimethylester
Molecular Formula	C <sub>22</sub> H <sub>24</sub> P.Cl	Molecular Formula	C <sub>22</sub> H <sub>24</sub> P.Br	Molecular Formula	C <sub>20</sub> H <sub>43</sub> O <sub>3</sub> P
				<b>NEW</b>	
Code	07290	Code	07310	Code	62960
CAS No.	1100-88-5	CAS No.	2751-90-8	CAS No.	5717-37-3
	Benzyltriphenylphosphonium chloride		Tetraphenylphosphonium bromide		1-Ethoxycarbonylethylidene-triphenyl-phosphorane
Molecular Formula	C <sub>25</sub> H <sub>22</sub> P.Cl	Molecular Formula	C <sub>24</sub> H <sub>20</sub> P.Br	Molecular Formula	C <sub>23</sub> H <sub>23</sub> O <sub>2</sub> P



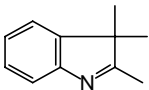
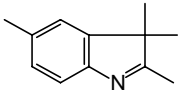
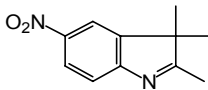
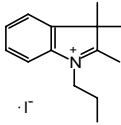
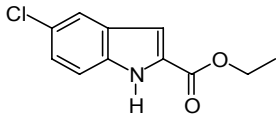
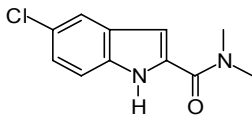
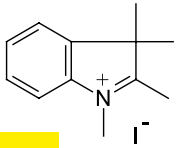
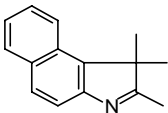
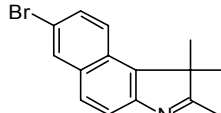
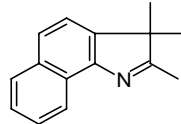
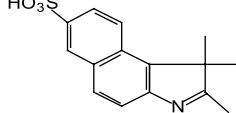
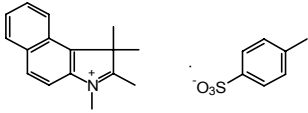
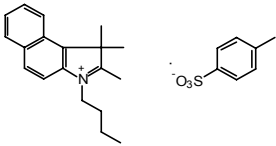
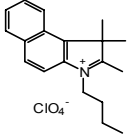
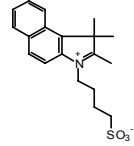
## Furanes, Pyrroles, Indoles

Code	26740	Code	09180	Code	63150	Code	37380
CAS No.	625-86-5	CAS No.	10599-70-9	CAS No.	10599-69-6	CAS No.	79814-40-7
2,5-Dimethylfuran		3-Acetyl-2,5-dimethylfuran		2-Methyl-5-propionylfuran		R-(+)-2-Acetoxy succinic anhydride	
Molecular Formula	C <sub>6</sub> H <sub>8</sub> O	Molecular Formula	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	Molecular Formula	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	Molecular Formula	C <sub>6</sub> H <sub>6</sub> O <sub>5</sub>
							

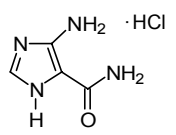
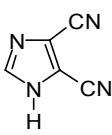
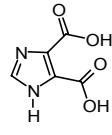
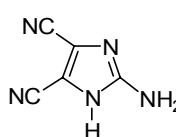
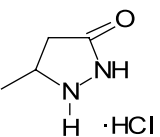
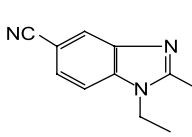
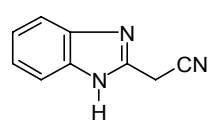
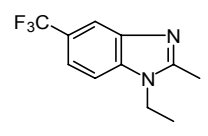
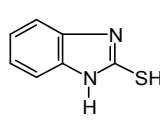
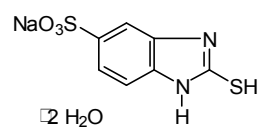

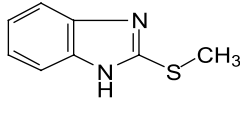
Code	68480	Code	00321	Code	34160
CAS No.	5108-96-3	CAS No.	1074-82-4	CAS No.	1515-72-6
Ammonium pyrrolidinodithiocarbonylate		Potassium Phthalimide		N-Butylphthalimide	
Molecular Formula	C <sub>5</sub> H <sub>9</sub> NS <sub>2</sub> ,NH <sub>3</sub>	Molecular Formula	C <sub>8</sub> H <sub>5</sub> NO <sub>2</sub> ,K	Molecular Formula	C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub>
					

Code	37480
CAS No.	3468-11-9
1,3-Diiminoisindoline	
Molecular Formula	C <sub>8</sub> H <sub>7</sub> N <sub>3</sub>
	

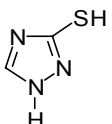
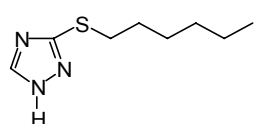
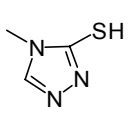


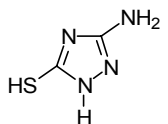
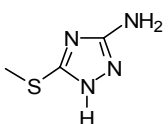
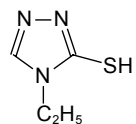
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CAS No.	1640-39-7	CAS No.	25981-82-2	CAS No.	3484-22-8	CAS No.	20205-29-2
	2,3,3-Trimethylindolenine		2,3,3,5-Tetramethylindolenine		5-Nitro-2,3,3-trimethylindolenine		1-Propyl-2,3,3-trimethylindolium iodide
Molecular Formula	C <sub>11</sub> H <sub>13</sub> N	Molecular Formula	C <sub>12</sub> H <sub>15</sub> N	Molecular Formula	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>14</sub> H <sub>20</sub> N.I
							
Code	61460	Code	61430	Code	74170		
CAS No.	4792-67-0	CAS No.		CAS No.	5418-63-3		
	5-Chloroindole-2-carboxylic acid ethylester		N,N-Dimethyl-5-chloroindole-2-carboxamide		1,2,3,3-Tetramethyl-3H-indolium iodide		
Molecular Formula	C <sub>11</sub> H <sub>10</sub> ClNO <sub>2</sub>	Molecular Formula	C <sub>11</sub> H <sub>11</sub> ClN <sub>2</sub> O	Molecular Formula	C <sub>12</sub> H <sub>16</sub> N		
							
				<b>NEW</b>			
Code	13701	Code	46850	Code	35900	Code	33700
CAS No.	41532-84-7	CAS No.		CAS No.	74470-85-2	CAS No.	113995-55-4
	2,3,3-Trimethyl-3H-benz[e]indol		6-Bromo-2,3,3-trimethyl-benz[e]indol		2,3,3-Trimethyl-3H-benz[g]indol		6-Sulfo-TMBI
Molecular Formula	C <sub>15</sub> H <sub>15</sub> N	Molecular Formula	C <sub>15</sub> H <sub>14</sub> BrN	Molecular Formula	C <sub>15</sub> H <sub>15</sub> N	Molecular Formula	C <sub>15</sub> H <sub>15</sub> NO <sub>3</sub> S
							
Code	07040	Code	07090	Code	06530	Code	02990
CAS No.	141914-99-0	CAS No.		CAS No.	145038-06-8	CAS No.	63149-24-6
	1,2,3,3-Tetramethyl-benz[e]indolium tosylate		1-Butyl-2,3,3-trimethyl-benz[e]indolium tosylate		1-Butyl-2,3,3-trimethyl-benz[e]indolium perchlorate		1-(4-Sulfobutyl)-2,3,3-trimethyl-benz[e]indolium betaine
Molecular Formula	C <sub>16</sub> H <sub>18</sub> N.C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S	Molecular Formula	C <sub>19</sub> H <sub>24</sub> N.C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S	Molecular Formula	C <sub>19</sub> H <sub>24</sub> N.ClO <sub>4</sub>	Molecular Formula	C <sub>19</sub> H <sub>23</sub> NO <sub>3</sub> S
							

## Imidazoles, Pyrazoles

Code	60750	Code	08520	Code	14980		
CAS No.	72-40-2	CAS No.	1122-28-7	CAS No.	570-22-9		
	4-Aminoimidazole-5-carboxamide hydrochloride		Imidazole-4,5-dicarbonitrile		Imidazole-4,5-dicarboxylic acid		
Molecular Formula	C <sub>4</sub> H <sub>6</sub> N <sub>4</sub> O·HCl	Molecular Formula	C <sub>5</sub> H <sub>2</sub> N <sub>4</sub>	Molecular Formula	C <sub>5</sub> H <sub>4</sub> N <sub>2</sub> O <sub>4</sub>		
							
Code	09580	Code	37270	Code	46420		
CAS No.	40953-34-2	CAS No.	10234-77-2	CAS No.	62306-08-5		
	2-Aminoimidazole-4,5-dicarbonitrile		5-Methyl-3-pyrazolidinone hydrochloride		5-Cyano-1-ethyl-2-methylbenzimidazole		
Molecular Formula	C <sub>5</sub> H <sub>3</sub> N <sub>5</sub>	Molecular Formula	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O·HCl	Molecular Formula	C <sub>11</sub> H <sub>11</sub> N <sub>3</sub>		
							
Code	62700	Code	37240	Code	21690	Code	12970
CAS No.	4414-88-4	CAS No.	30563-77-0	CAS No.	583-39-1	CAS No.	207511-11-3
	2-Benzimidazoleacetonitrile		1-Ethyl-2-methyl-5-trifluoromethylbenzimidazole		2-Mercaptobenzimidazole		Sodium 2-mercaptobenzimidazole-5-sulfonate dihydrate
Molecular Formula	C <sub>9</sub> H <sub>7</sub> N <sub>3</sub>	Molecular Formula	C <sub>11</sub> H <sub>11</sub> F <sub>3</sub> N <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> S	Molecular Formula	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>3</sub> S <sub>2</sub> ·Na·2H <sub>2</sub> O
							
Code	48100						
CAS No.	7152-24-1						
	2-(Methylthio)benzimidazole						
Molecular Formula	C <sub>8</sub> H <sub>8</sub> N <sub>2</sub> S						
							

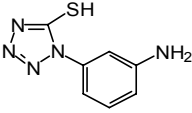
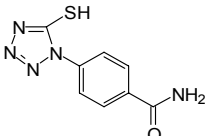


Code	15110	Code	32400	Code	01740
CAS No.	3179-31-5	CAS No.	74682-60-3	CAS No.	24854-43-1
3-Mercapto-1,2,4-triazole		3-Hexylthio-1,2,4-triazole		3-Mercapto-4-methyl-1,2,4-triazole	
Molecular Formula	C <sub>2</sub> H <sub>3</sub> N <sub>3</sub> S	Molecular Formula	C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> S	Molecular Formula	C <sub>3</sub> H <sub>5</sub> N <sub>3</sub> S
					

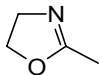
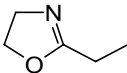
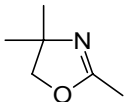
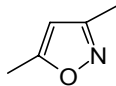
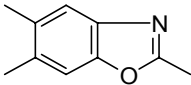
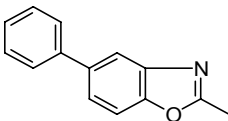
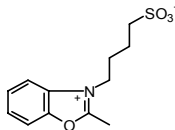
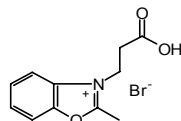
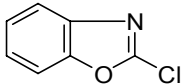
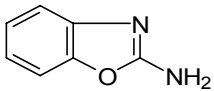
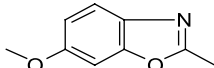
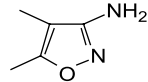
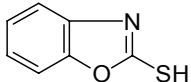
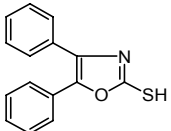
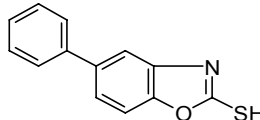
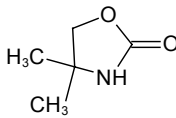
Code	50010	Code	04360	Code	73770
CAS No.	16691-43-3	CAS No.	45534-08-5	CAS No.	27105-98-2
3-Amino-5-mercapto-1,2,4-triazole		3-Amino-5-methylthio-1,2,4-triazole		4-Ethyl-4H-1,2,4-triazole-3-thiol	
Molecular Formula	C <sub>2</sub> H <sub>4</sub> N <sub>4</sub> S	Molecular Formula	C <sub>3</sub> H <sub>6</sub> N <sub>4</sub> S	Molecular Formula	C <sub>4</sub> H <sub>7</sub> N <sub>3</sub> S
					
				<b>NEW</b>	



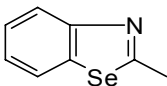
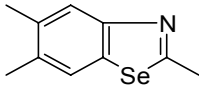
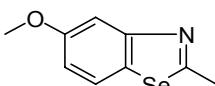
# Tetrazoles

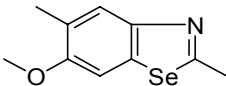
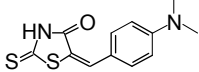
Code	66250	Code	00890	Code	39850	Code	66310
CAS No.	7624-35-3	CAS No.	73096-42-1	CAS No.	78190-05-3	CAS No.	
	1-tert-Butyl-5-mercaptotetrazole		5-(2-Bromophenyl)tetrazole		1-(4-Carboxyphenyl)-1H-tetrazole		1-(3-Methoxycarbamidophenyl)-5-mercaptotetrazole
Molecular Formula	C <sub>5</sub> H <sub>10</sub> N <sub>4</sub> S	Molecular Formula	C <sub>7</sub> H <sub>5</sub> BrN <sub>4</sub>	Molecular Formula	C <sub>8</sub> H <sub>6</sub> N <sub>4</sub> O <sub>2</sub>	Molecular Formula	C <sub>9</sub> H <sub>9</sub> N <sub>5</sub> O <sub>2</sub> S
							
<b>NEW</b>							
Code	66360	Code	05630	Code	12090	Code	33530
CAS No.	654646-61-4	CAS No.	63684-99-1	CAS No.	52431-78-4	CAS No.	13980-76-2
	5-Amino-1-(4-carboxyphenyl)-1H-tetrazole		1-(3,4-Dichlorophenyl)-5-mercaptotetrazole		1-(4-Hydroxyphenyl)-5-mercaptotetrazole		1-(4-Methoxyphenyl)-5-mercaptotetrazole
Molecular Formula	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>4</sub> Cl <sub>2</sub> N <sub>4</sub> S	Molecular Formula	C <sub>7</sub> H <sub>6</sub> N <sub>4</sub> O <sub>2</sub> S	Molecular Formula	C <sub>8</sub> H <sub>8</sub> N <sub>4</sub> O <sub>2</sub> S
							
Code	00410	Code	00610	Code	66370	Code	33541
CAS No.	23249-96-9	CAS No.	14070-48-5	CAS No.	92339-43-0	CAS No.	99229-76-2
	1-(3-Aminophenyl)-5-mercaptotetrazole		1-(3-Acetamidophenyl)-5-mercaptotetrazole		1-(3-Phenoxycarbamidophenyl)-5-mercaptotetrazole		1-(4-Carboxyphenyl)-5-mercaptotetrazole disodium salt
Molecular Formula	C <sub>7</sub> H <sub>7</sub> N <sub>5</sub> S	Molecular Formula	C <sub>9</sub> H <sub>9</sub> N <sub>5</sub> O <sub>2</sub> S	Molecular Formula	C <sub>14</sub> H <sub>11</sub> N <sub>5</sub> O <sub>2</sub> S	Molecular Formula	C <sub>8</sub> H <sub>6</sub> N <sub>4</sub> O <sub>2</sub> SN <sub>2</sub>
							
Code	04850	Code	12430	Code	12580		
CAS No.	80407-52-9	CAS No.	5117-07-7	CAS No.	86-93-1		
	1-(4-Carbamoylphenyl)-5-mercaptotetrazole		5,5'-Dithio-bis(1-phenyltetrazole)		1-Phenyl-5-mercaptotetrazole		
Molecular Formula	C <sub>8</sub> H <sub>7</sub> N <sub>5</sub> O <sub>2</sub> S	Molecular Formula	C <sub>14</sub> H <sub>10</sub> N <sub>8</sub> S <sub>2</sub>	Molecular Formula	C <sub>7</sub> H <sub>6</sub> N <sub>4</sub> S		
							

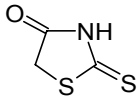
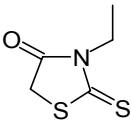
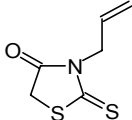
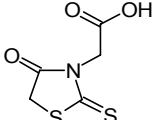


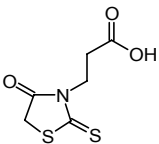
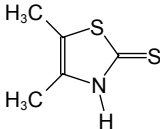
Code	25370	Code	37190	Code	25190	Code	15370
CAS No.	1120-64-5	CAS No.	10431-98-8	CAS No.	1772-43-6	CAS No.	300-87-8
	2-Methyl-2-oxazoline		2-Ethyl-2-oxazoline		2,4,4-Trimethyl-2-oxazoline		3,5-Dimethylisoxazole
Molecular Formula	C <sub>4</sub> H <sub>7</sub> NO	Molecular Formula	C <sub>5</sub> H <sub>9</sub> NO	Molecular Formula	C <sub>6</sub> H <sub>11</sub> NO	Molecular Formula	C <sub>5</sub> H <sub>7</sub> NO
							
Code	43770	Code	13600	Code	03050	Code	02250
CAS No.	19219-98-8	CAS No.	61931-68-8	CAS No.	112339-60-3	CAS No.	68123-42-2
	2,5,6-Trimethylbenzoxazole		2-Methyl-5-phenylbenzoxazole		2-Methyl-3-(4-sulfobutyl)benzoxazolium betaine		3-Carboxyethyl-2-methylbenzoxazolium bromide
Molecular Formula	C <sub>10</sub> H <sub>11</sub> NO	Molecular Formula	C <sub>14</sub> H <sub>11</sub> NO	Molecular Formula	C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub> S	Molecular Formula	C <sub>11</sub> H <sub>12</sub> NO <sub>3</sub> .Br
							
Code	44030	Code	37110	Code	30360	Code	54420
CAS No.	615-18-9	CAS No.	4570-41-6	CAS No.	23999-64-6	CAS No.	13999-39-8
	2-Chlorobenzoxazole		2-Aminobenzoxazole		6-Methoxy-2-methylbenzoxazole		3-Amino-4,5-dimethylisoxazole
Molecular Formula	C <sub>7</sub> H <sub>4</sub> ClNO	Molecular Formula	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O	Molecular Formula	C <sub>9</sub> H <sub>9</sub> NO <sub>2</sub>	Molecular Formula	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub> O
							
Code	13690	Code	12980	Code	60600	Code	73480
CAS No.	2382-96-9	CAS No.	6670-13-9	CAS No.	17371-99-2	CAS No.	26654-39-7
	2-Mercaptobenzoxazole		4,5-Diphenyl-2-mercaptobenzoxazole		2-Mercapto-5-phenylbenzoxazole		4,4-Dimethyl-2-oxazolidone
Molecular Formula	C <sub>7</sub> H <sub>5</sub> NOS	Molecular Formula	C <sub>15</sub> H <sub>11</sub> NOS	Molecular Formula	C <sub>13</sub> H <sub>9</sub> NOS	Molecular Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
							
						<b>NEW</b>	

## Selenazoles, Thiazoles

Code	13480	Code	30370	Code	13490
CAS No.	2818-88-4	CAS No.	2946-20-5	CAS No.	2946-17-0
2-Methylbenzoselenazole		2,5,6-Trimethylbenzoselenazole		5-Methoxy-2-methylbenzoselenazole	
Molecular Formula	C <sub>8</sub> H <sub>7</sub> NSe	Molecular Formula	C <sub>10</sub> H <sub>11</sub> NSe	Molecular Formula	C <sub>9</sub> H <sub>9</sub> NOSe
					

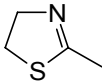
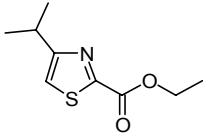
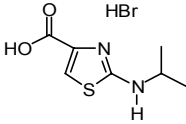
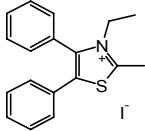
Code	45530	Code	00360
CAS No.	70867-60-6	CAS No.	536-17-4
2,5-Dimethyl-6-methoxybenzoselenazole		5-(4-Dimethylaminobenzylidene)rhodanine	
Molecular Formula	C <sub>10</sub> H <sub>11</sub> NOSe	Molecular Formula	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> S
			

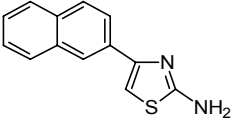
Code	00280	Code	13590	Code	13570	Code	13500
CAS No.	141-84-4	CAS No.	7648-01-3	CAS No.	1457-47-2	CAS No.	5718-83-2
Rhodanine		3-Ethylrhodanine		3-Allylrhodanine		Rhodanine-3-acetic acid	
Molecular Formula	C <sub>3</sub> H <sub>3</sub> NOS <sub>2</sub>	Molecular Formula	C <sub>5</sub> H <sub>7</sub> NOS <sub>2</sub>	Molecular Formula	C <sub>6</sub> H <sub>7</sub> NOS <sub>2</sub>	Molecular Formula	C <sub>5</sub> H <sub>5</sub> NO <sub>3</sub> S <sub>2</sub>
							

Code	07490	Code	70220
CAS No.	7025-19-6	CAS No.	5351-51-9
Rhodanine-3-propionic acid		4,5-Dimethylthiazole-2-thione	
Molecular Formula	C <sub>6</sub> H <sub>7</sub> NO <sub>3</sub> S <sub>2</sub>	Molecular Formula	C <sub>5</sub> H <sub>7</sub> NS <sub>2</sub>
			

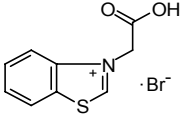
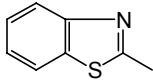
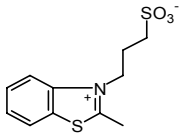
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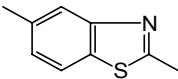
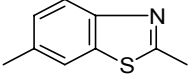
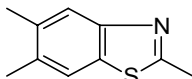


Code	13920	Code	32190	Code	32120	Code	13860
CAS No.	2346-00-1	CAS No.	156589-82-1	CAS No.	300831-03-2	CAS No.	97453-89-9
	2-Methyl-2-thiazoline		Ethyl 4-isopropylthiazole-2-carboxylate		4-Carboxy-2-isopropylamino-thiazole hydrobromide		4,5-Diphenyl-3-ethyl-2-methylthiazolium iodide
Molecular Formula	C <sub>4</sub> H <sub>7</sub> NS	Molecular Formula	C <sub>9</sub> H <sub>13</sub> N <sub>2</sub> O <sub>2</sub> S	Molecular Formula	C <sub>7</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub> S·HBr	Molecular Formula	C <sub>18</sub> H <sub>18</sub> NS.I
							

Code	32090
CAS No.	21331-43-1
	2-Amino-4-(2-naphthyl)thiazole
Molecular Formula	C <sub>13</sub> H <sub>10</sub> N <sub>2</sub> S
	

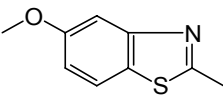
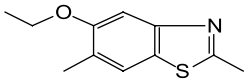
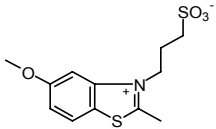
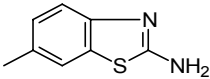
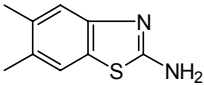
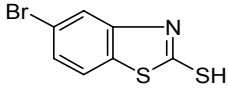
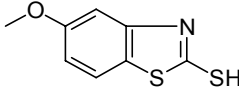
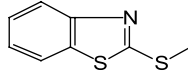
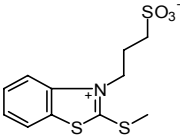
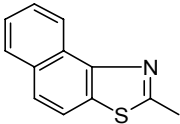
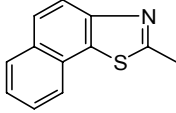
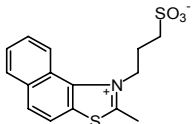

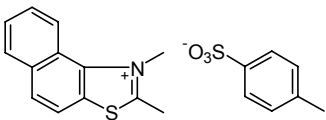
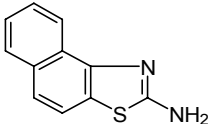


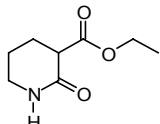
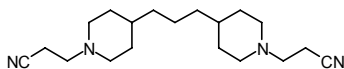
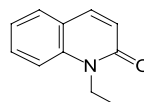
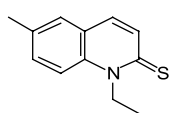
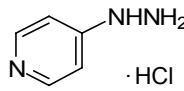
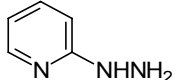
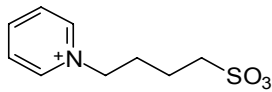
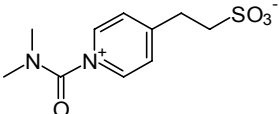
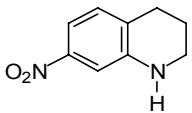
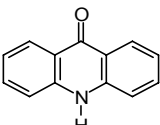
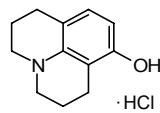
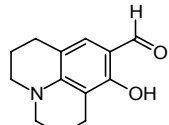
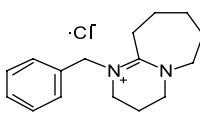
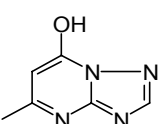
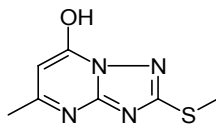
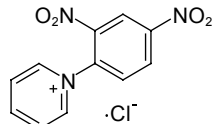
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CAS No.	74385-09-4	CAS No.	120-75-2	CAS No.	56405-37-9
	N-Carboxymethylbenzothiazolium bromide		2-Methylbenzothiazole		2-Methyl-3-(3-sulfopropyl)benzothiazolium betaine
Molecular Formula	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S·Br	Molecular Formula	C <sub>8</sub> H <sub>7</sub> NS	Molecular Formula	C <sub>11</sub> H <sub>13</sub> N <sub>2</sub> O <sub>3</sub> S <sup>2-</sup>
					

Code	13650	Code	60540	Code	13840
CAS No.	95-26-1	CAS No.	2941-71-1	CAS No.	5683-41-0
	2,5-Dimethylbenzothiazole		2,6-Dimethylbenzothiazole		2,5,6-Trimethylbenzothiazole
Molecular Formula	C <sub>9</sub> H <sub>9</sub> NS	Molecular Formula	C <sub>9</sub> H <sub>9</sub> NS	Molecular Formula	C <sub>10</sub> H <sub>11</sub> NS
					

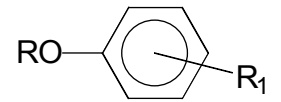
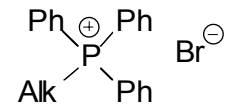
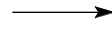
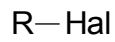
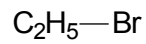
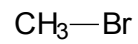


# Thiazoles

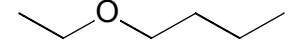
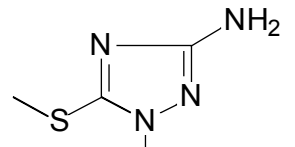
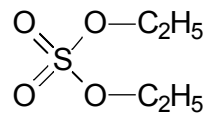
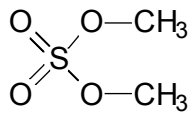
Code	45970	Code	45790	Code	03410	Code	60180
CAS No.	2941-69-7	CAS No.	68930-73-4	CAS No.	63149-01-9	CAS No.	2536-91-6
	5-Methoxy-2-methylbenzothiazole		2,6-Dimethyl-3-ethoxybenzothiazole		5-Methoxy-2-methyl-3-(3-sulfopropyl)benzothiazolium betaine		2-Amino-6-methylbenzothiazole
Molecular Formula	C <sub>9</sub> H <sub>9</sub> NOS	Molecular Formula	C <sub>11</sub> H <sub>13</sub> NOS	Molecular Formula	C <sub>12</sub> H <sub>15</sub> N <sub>0</sub> 4S <sub>2</sub>	Molecular Formula	C <sub>8</sub> H <sub>8</sub> N <sub>2</sub> S
							
Code	45960	Code	32070	Code	46510	Code	45760
CAS No.	29927-08-0	CAS No.	71216-20-1	CAS No.	55690-60-3	CAS No.	615-22-5
	2-Amino-5,6-dimethylbenzothiazole		5-Bromo-2-mercaptobenzothiazole		2-Mercapto-5-methoxybenzothiazole		2-Methylthiobenzothiazole
Molecular Formula	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> S	Molecular Formula	C <sub>7</sub> H <sub>4</sub> BrNS <sub>2</sub>	Molecular Formula	C <sub>8</sub> H <sub>7</sub> NOS <sub>2</sub>	Molecular Formula	C <sub>8</sub> H <sub>7</sub> NS <sub>2</sub>
							
Code	13520	Code	45930	Code	02170	Code	13510
CAS No.	63149-05-3	CAS No.	2682-45-3	CAS No.	20686-62-8	CAS No.	3176-77-0
	2-Methylthio-3-(3-sulfopropyl)-benzothiazolium betaine		2-Methylnaphtho[1,2-d]thiazole		2-Methylnaphtho[2,1-d]thiazole		2-Methyl-3-(3-sulfopropyl)naphtho[1,2-d]thiazolium betaine
Molecular Formula	C <sub>11</sub> H <sub>13</sub> N <sub>0</sub> 3S <sub>3</sub>	Molecular Formula	C <sub>12</sub> H <sub>9</sub> NS	Molecular Formula	C <sub>12</sub> H <sub>9</sub> NS	Molecular Formula	C <sub>15</sub> H <sub>15</sub> N <sub>0</sub> 3S <sub>2</sub>
							
Code	30410	Code	46140				
CAS No.	58480-17-4	CAS No.	40172-65-4				
	2,3-Dimethylnaphtho[1,2-d]thiazolium tosylate		2-Aminonaphtho[1,2-d]thiazole				
Molecular Formula	C <sub>13</sub> H <sub>12</sub> NS.C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> S	Molecular Formula	C <sub>11</sub> H <sub>8</sub> N <sub>2</sub> S				
							

Code	06270	Code	05310	Code	45990	Code	46100
CAS No.	3731-16-6	CAS No.	18136-00-0	CAS No.	53761-50-5	CAS No.	33682-78-9
	Ethyl 2-piperidone-3-carboxylate		4,4'-Trimethylene-bis (piperidinopropionitrile)		1-Ethyl-2-quinolone		1-Ethyl-6-methyl-2(1H)-quinolinethione
Molecular Formula	C <sub>8</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub>	Molecular Formula	C <sub>19</sub> H <sub>32</sub> N <sub>4</sub>	Molecular Formula	C <sub>11</sub> H <sub>11</sub> N <sub>2</sub> O	Molecular Formula	C <sub>12</sub> H <sub>13</sub> NS
							
Code	68850	Code	64510	Code	68750	Code	12070
CAS No.	20815-52-5	CAS No.	4930-98-7	CAS No.	21876-43-7	CAS No.	136997-71-2
	4-Hydrazinopyridine hydrochloride		2-Hydrazinopyridine		Pyridinium butylsulfonate		1-Dimethylcarbamoyl-4-(2-sulfoethyl)-pyridinium betaine
Molecular Formula	C <sub>5</sub> H <sub>7</sub> N <sub>3</sub> ·HCl	Molecular Formula	C <sub>5</sub> H <sub>7</sub> N <sub>3</sub>	Molecular Formula	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub> S	Molecular Formula	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub> S
							
Code	35970	Code	03740	Code	06550	Code	03770
CAS No.	30450-62-5	CAS No.	578-95-0	CAS No.	41175-50-2	CAS No.	63149-33-7
	7-Nitro-1,2,3,4-tetrahydroquinoline		Acridone		8-Hydroxyjulolidine hydrochloride		8-Hydroxyjulolidine-9-aldehyde
Molecular Formula	C <sub>9</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>	Molecular Formula	C <sub>13</sub> H <sub>9</sub> N <sub>2</sub> O	Molecular Formula	C <sub>12</sub> H <sub>15</sub> N <sub>2</sub> O	Molecular Formula	C <sub>13</sub> H <sub>15</sub> N <sub>2</sub> O <sub>2</sub>
							
Code	07520	Code	12210	Code	32740	Code	45890
CAS No.	49663-94-7	CAS No.	2503-56-2	CAS No.	40775-78-8	CAS No.	4185-69-7
	1-Benzyl-1,8-diazabicyclo[5.4.0]undec-7-enium chloride		7-Hydroxy-5-methyl-1,3,4-triazaindolizine		7-Hydroxy-5-methyl-2-methylthio-1,3,4-triazaindolizine		1-(2,4-Dinitrophenyl)pyridinium chloride
Molecular Formula	C <sub>16</sub> H <sub>23</sub> N <sub>2</sub> ·Cl	Molecular Formula	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O	Molecular Formula	C <sub>7</sub> H <sub>8</sub> N <sub>4</sub> O <sub>2</sub> S	Molecular Formula	C <sub>11</sub> H <sub>8</sub> N <sub>3</sub> O <sub>4</sub> Cl
							
							<b>NEW</b>

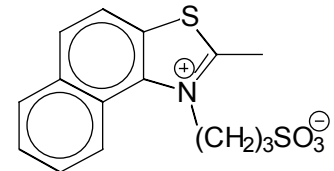
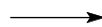
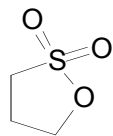
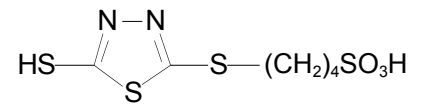
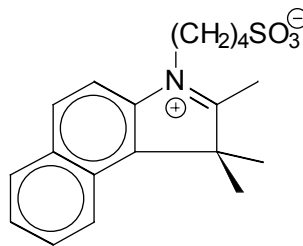
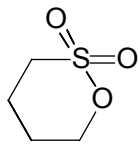
Alkylhalogenides



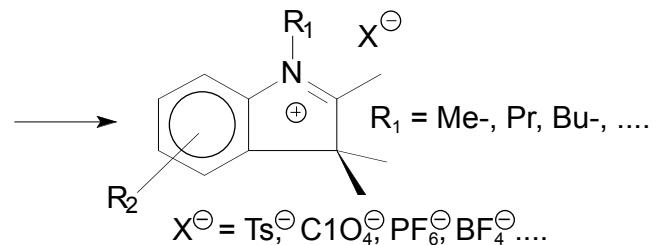
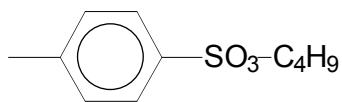
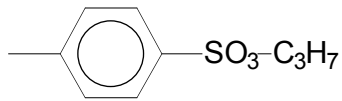
Diethyl- Dimethylsulfate



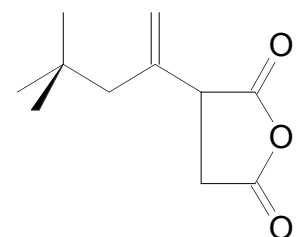
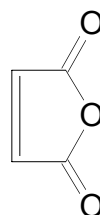
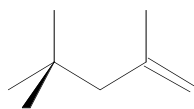
Sulfones



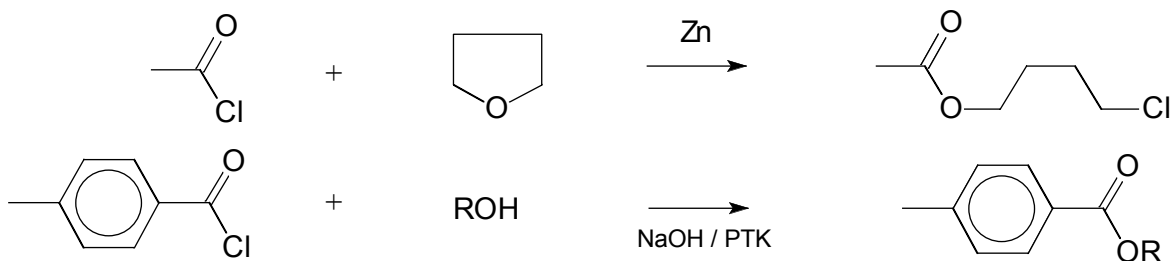
Tosylates



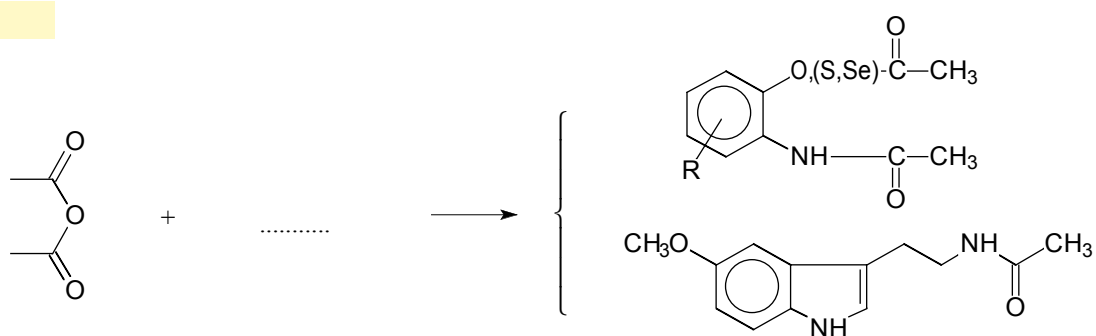
with Olefines



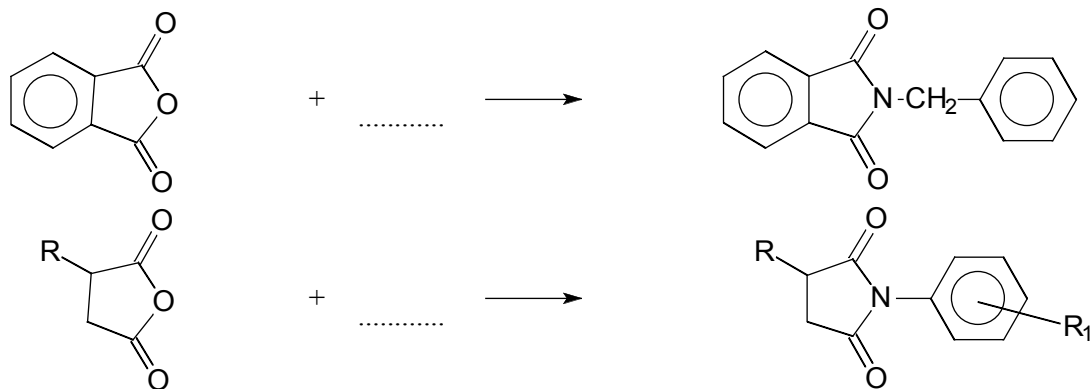
## Acid chlorides



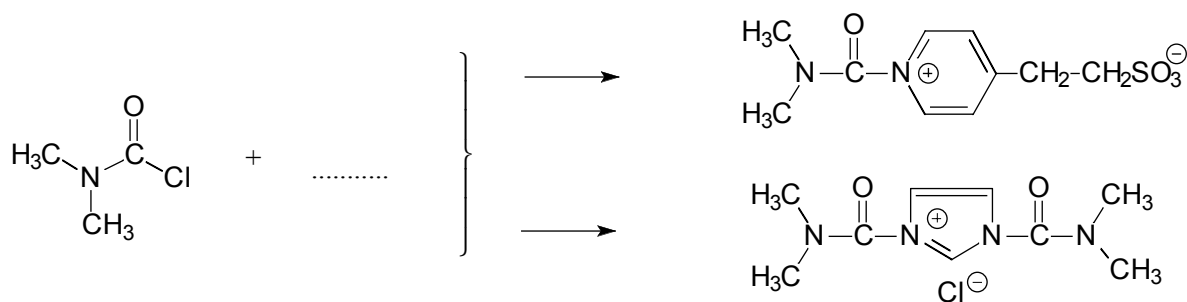
## Anhydrides



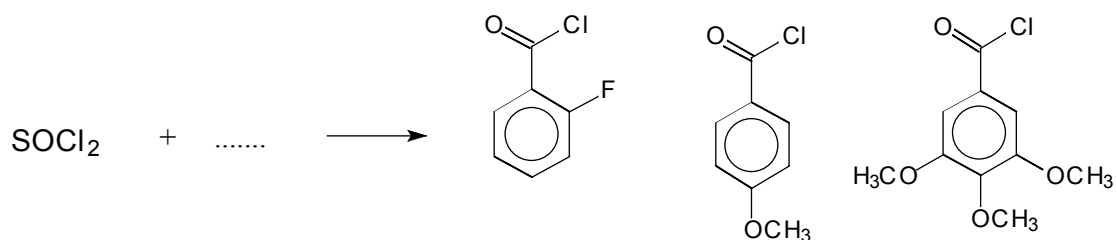
## PAA and MAA



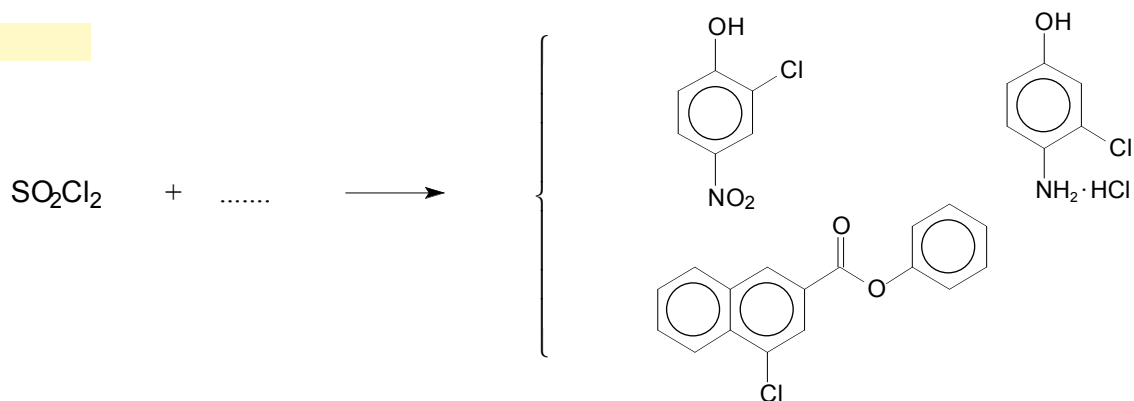
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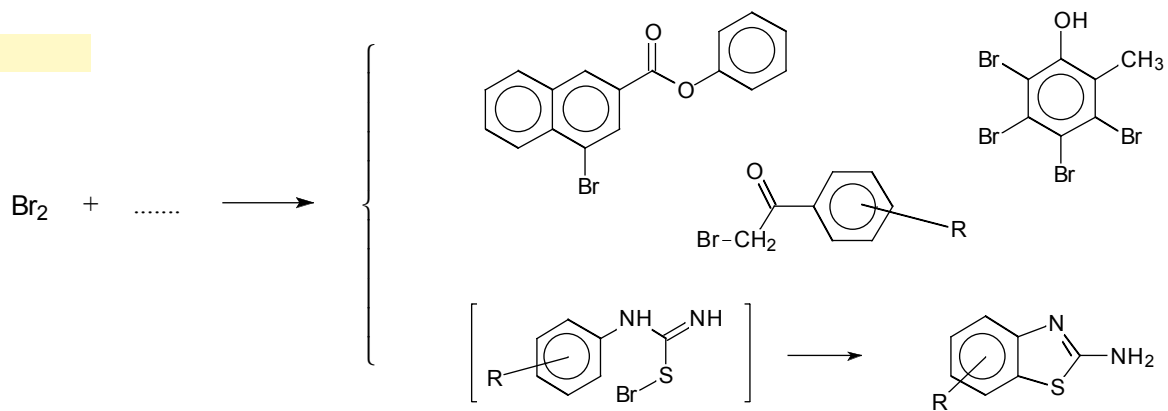
Acid chlorides



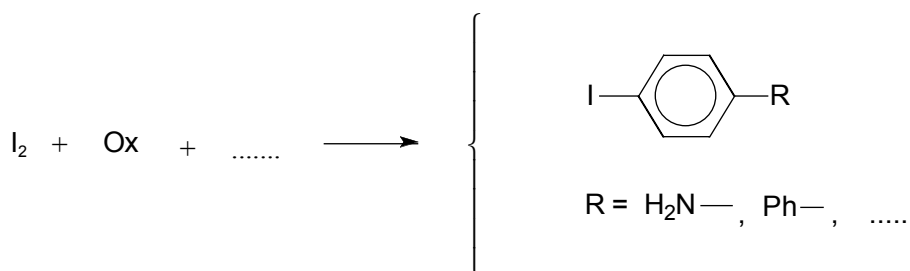
Chlorination



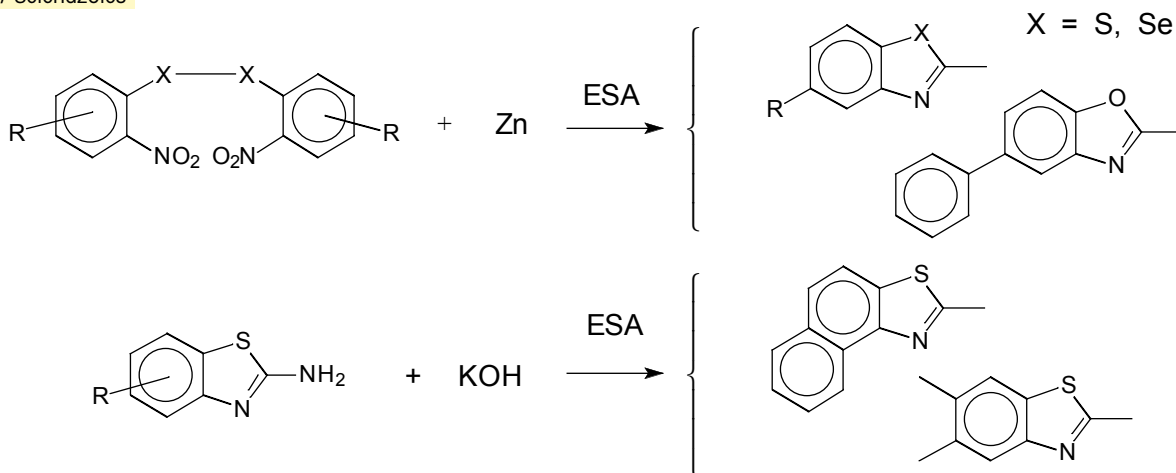
Bromination



Iodination

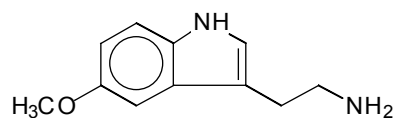


## Oxazoles / Thiazoles / Selenazoles

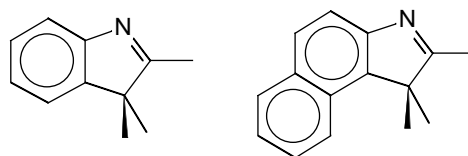


## Indoles

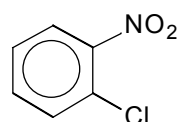
ABRAMOVITCH / SHAPIRO



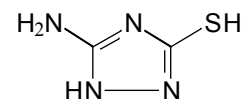
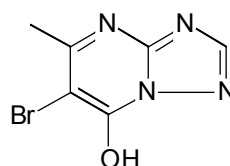
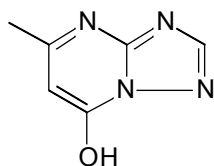
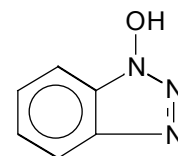
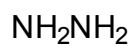
FISCHER



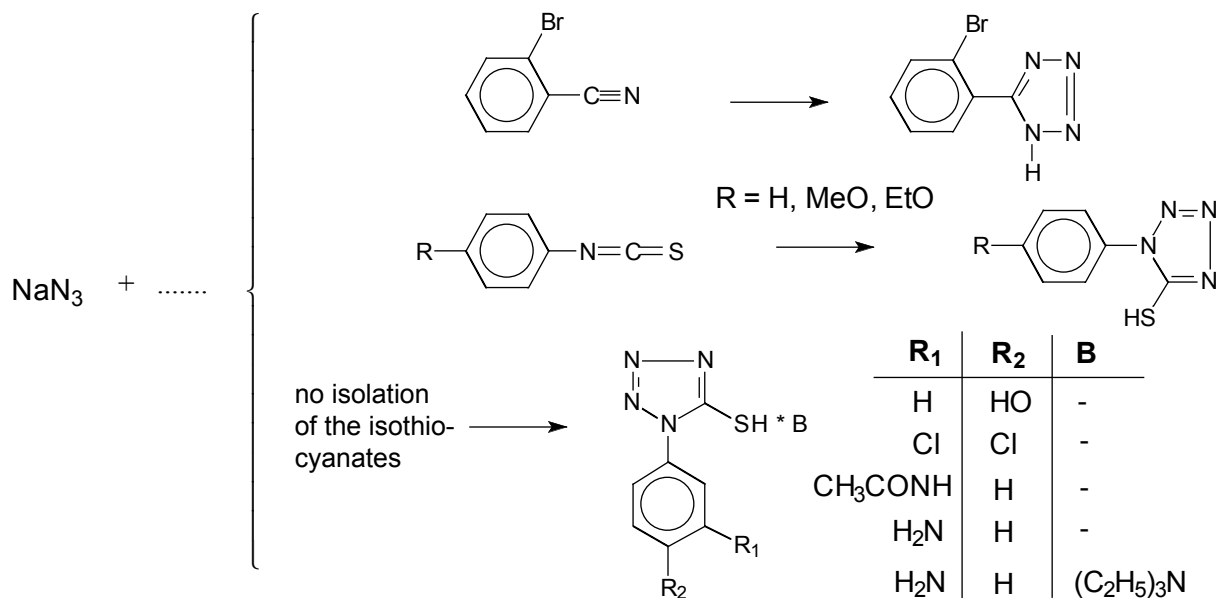
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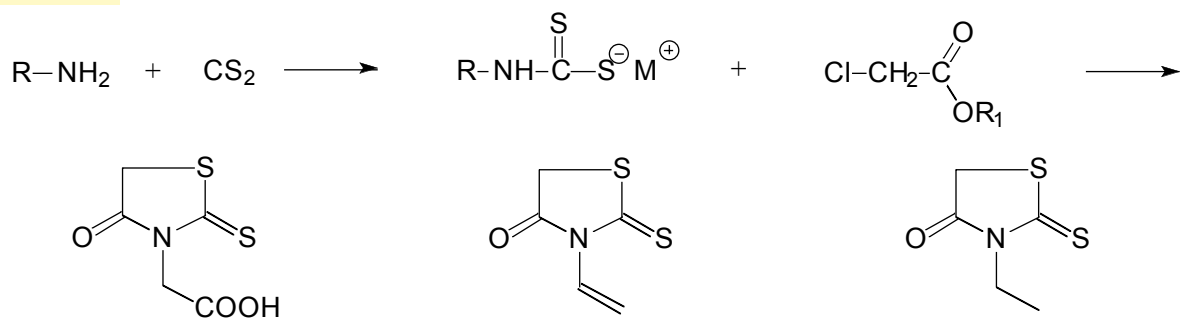
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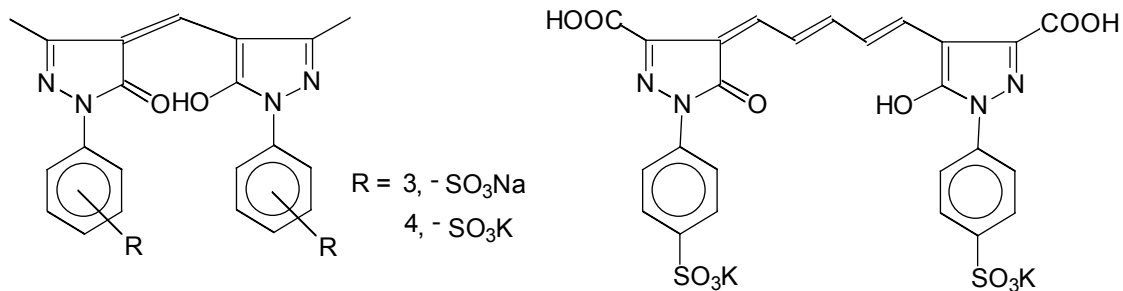
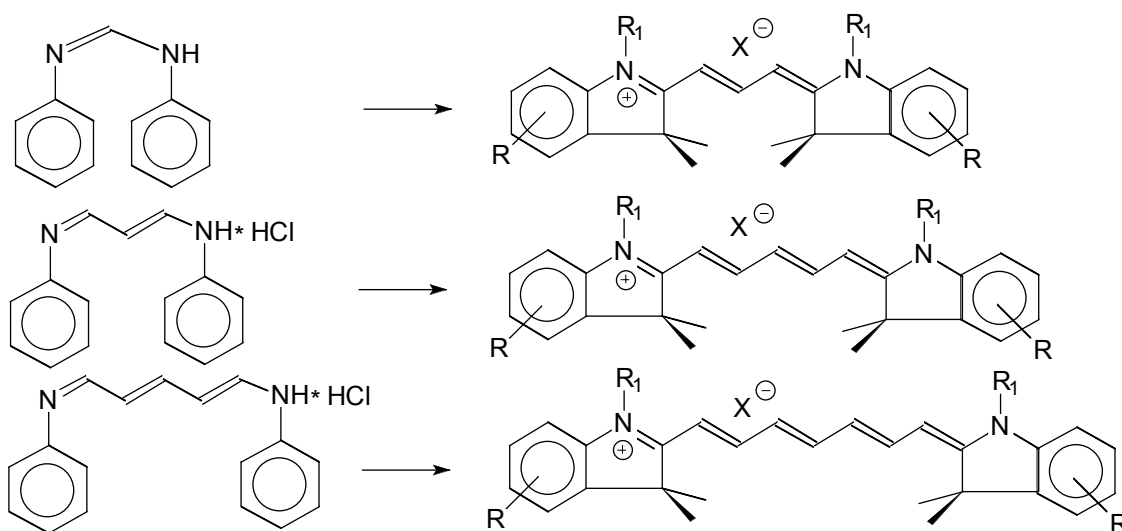
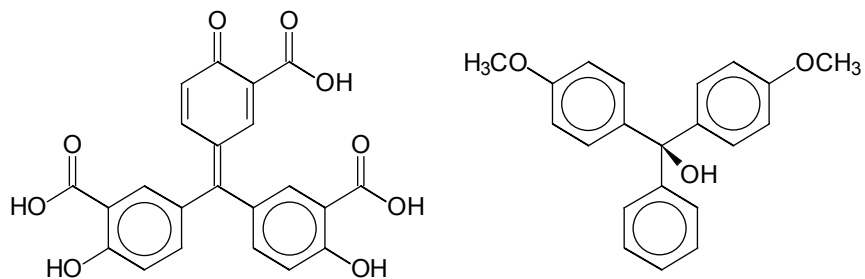
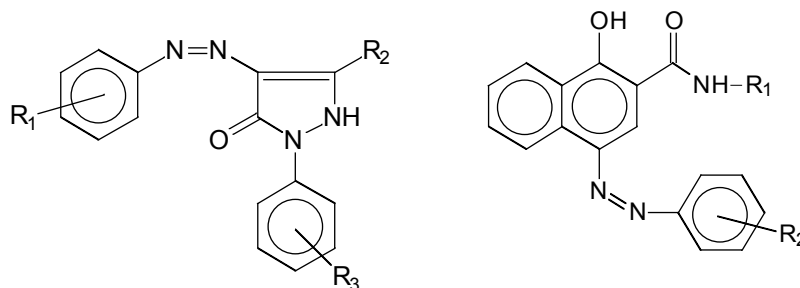
## Tetrazoles



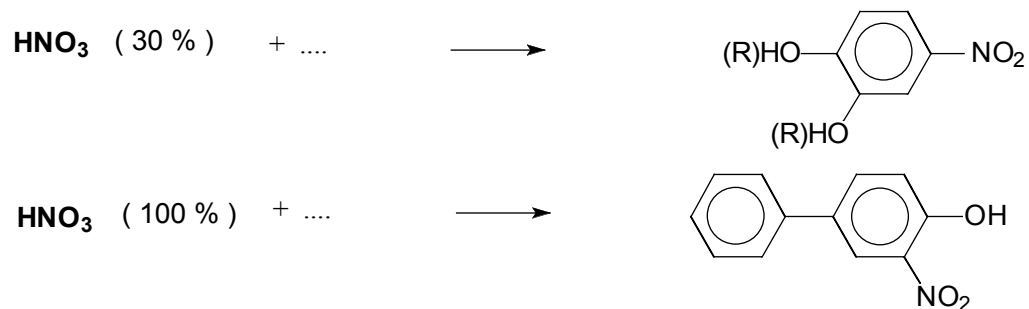
## Rhodanines



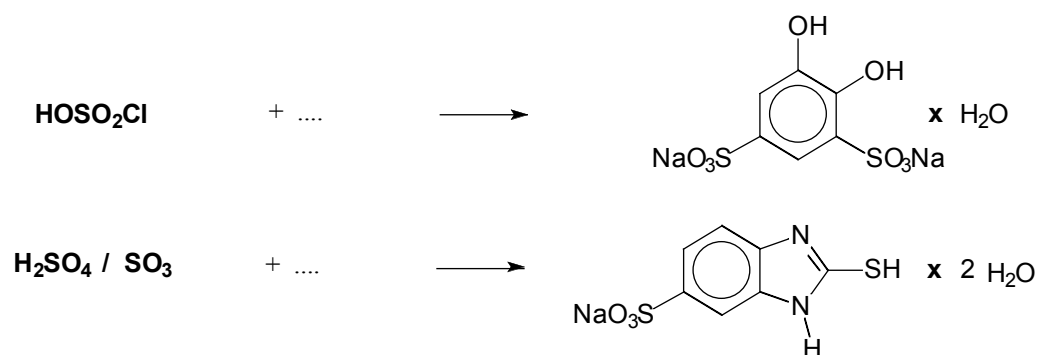


**Oxonoles**

**Cyanines**

**Triphenylmethanes**

**Azo-dyes**


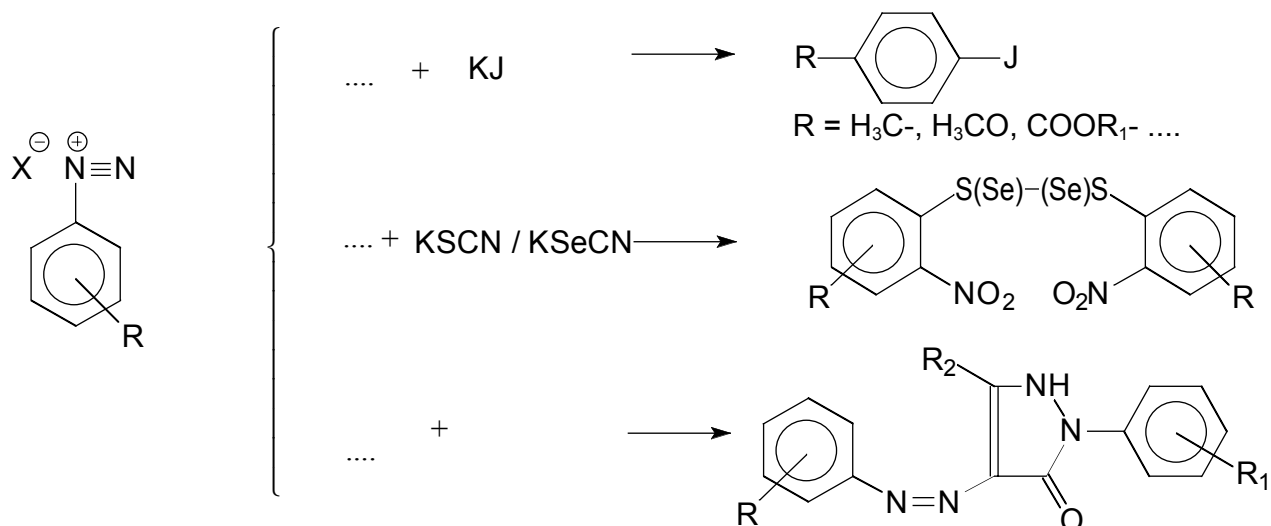
Nitration



Sulfonation



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Ethyl 2-oxocyclopentane-carboxylate	9	4-Iodotoluene	14	5-Methyl-3-pyrazolidinone hydrochloride	18	Pyridiniumbutylsulfonate	25
Ethyl N-phenylglycinate	4,10	Isobutyrohydrazide	8	Methylsuccinyl chloride	9	<b>R</b>	
Ethylphthalylethylglycolate	10	Isopropylisothiocyanate	12	2-Methyl-3-(4-sulfobutyl) benzoxazolium betaine	21	Rhodanine	22
Ethyl 2-piperidone-3-carboxylate	25	<b>M</b>		2-Methyl-3-(3-sulfopropyl) benzothiazolium betaine	23	Rhodanine-3-acetic acid	22
4-Ethyl-4H-1,2,4-triazole-3-thiol	19	Malondianil hydrochloride	5	2-Methyl-3-(3-sulfopropyl) naphtho[1,2-d]thiazolium betaine	24	Rhodanine-3-propionic acid	22
1-Ethyl-2-quinolone	25	2-Mercapto-5-methoxybenzothiazole	24	2-Methyl-2-thiazoline	23	<b>S</b>	
3-Ethylrhodanine	22	2-Mercaptobenzimidazole	18	2-(Methylthio)benzimidazole	18	Sodium benzenesulfinate	11
Ethyl thioxamate	12	2-Mercaptobenzoxazole	21	2-Methylthiobenzothiazole	24	Sodium 2-mercaptobenzimidazole-5-sulfonate dihydrate	18
Ethyltriphenylphosphonium bromide	15	3-Mercapto-1-hexanol	11	4-Methyl-3-thiosemicarbazide	12	Sodium thiophosphate	11
Ethyltriphenylphosphonium chloride	15	3-Mercapto-4-methyl-1,2,4-triazole	19	2-Methylthio-3-(3-sulfopropyl) benzothiazolium betaine	24	Sodium p-toluenesulfinate	11
Ethyltriphenylphosphonium iodide	15	2-Mercapto-5-phenylbenzoxazole	21	Methyl tosylate	11	1-(4-Sulfobutyl)-2,3,3-trimethylbenz[e]indolium betaine	17
<b>F</b>		3-Mercapto-1,2,4-triazole	19	Methyltriphenylphosphonium bromide	15	6-Sulfo-TMBI	11,17
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<b>G</b>		6-Methoxy-2-methylbenzoxazole	21	7-Nitro-1,2,3,4-tetrahydroquinoline	25	1,2,3,3-Tetramethylbenz[e]indolium tosylate	17
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<b>H</b>		5-Methoxy-2-nitro-p-toluidine	7	endo-2,3-Norbornanedicarboximide	5,10	Tetraphenylphosphonium bromide	15
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06100	9,14	13650	23	35900	17	50320	9	68480	12,16
06270	25	13660	8,13	35970	25	50510	7	68750	25
06490	15	13671	11	36410	7	50580	7	68850	25
06530	17	13690	21	36500	7	50610	7	69480	10
06550	25	13701	17	36730	11	50770	4	69530	10,13
06730	4, 7	13710	5	36770	12	50830	5	70190	5,10
07040	17	13720	8,14	36830	8	50840	5	70220	22
07090	17	13750	7	37110	21	50870	5	70250	5
07230	17	13840	23	37190	21	50980	9,13	70840	6,10
07280	15	13860	23	37240	18	50990	9,14	71010	5,10
07290	15	13920	23	37270	18	51000	6,14	72020	11
07310	15	14260	4,13	37380	16	51040	7	73480	21
07490	22	14980	18	37480	16	51410	6,13	73770	19
07500	15	15110	19	37700	12	51980	10	74170	17
07520	25	15190	4	37970	9	52890	15		
07910	15	15370	21	39850	20	53210	8		
08520	18	15410	7	40500	6	53540	5		



- Acylation
- Alkylation
- Asymmetric syntheses
- Chemocatalysis
- Chlorosulfonation
- Cyclization
- Diazotization
- Friedel-Crafts reaction
- Grignard reaction
- Halogenation
- Heterocycle syntheses
- Homogeneous and heterogeneous catalysis
- Hydrogenation
- Condensation
- Organometallic reactions
- Nitration
- Nucleophilic substitution
- Phase transfer reactions
- Racemate resolution
- Reduction
- Reductive Amination
- Sandmeyer reaction
- Sulfur chemistry
- Stereoselective syntheses
- Sulfonation

### Characteristics/Certification

- ISO 9001: 2008
- cGMP Kilo Lab
- Responsible Care





## Equipment Capabilities

- Multipurpose plant
- Pilot plant
- 91 m<sup>3</sup> reactor capacity in total
- Glass-lined & stainless steel
- Agitated filters, filter press, tray dryers, vacuum tray dryers
- Hastelloy centrifuge and dryer
- 3 Fully equipped R&D laboratories
- GMP Kilo-Lab for Parenteralia

## Special Raw Materials and Conditions

- H<sub>2</sub>S, CS<sub>2</sub>
- NaN<sub>3</sub>, KCN, POCl<sub>3</sub>
- SOCl<sub>2</sub>, NH<sub>3</sub>
- Metal hydrides
- Hydrogenation
- Nitration (oleum, HNO<sub>3</sub> conc.)
- High Pressure Reactions
- Hazardous Reactions

## Selection of our 57 Reactors

Type/Use	Material	Capacity	Pressure	Temperature
CS <sub>2</sub>	Stainless steel	630 l	atm	- 10 to + 80 °C
Low Temp.	Stainless steel + Glass-lined	2500 l	atm to 5 mbar	- 10 to + 130 °C
		1600 l	atm to 3 mbar	- 25 to + 150 °C
		900 l	atm	- 25 to + 130 °C
		400 l	atm	- 10 to + 135 °C
High Temp.	Stainless steel + Glass-lined	1600 l	atm to 3 mbar	max. 230 °C
		500 l	atm to 3 mbar	max. 230 °C
Autoclaves	Stainless steel	500 l	max. 50 bar	max. 130 °C
Rectification	Stainless steel + Glass-lined	8000 l	atm	max. 150 °C
		1200 l	full vacuum	max. 140 °C

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