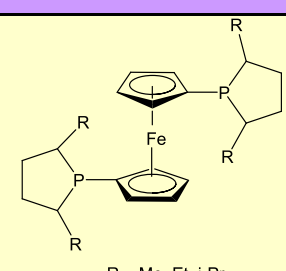
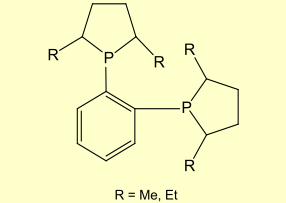
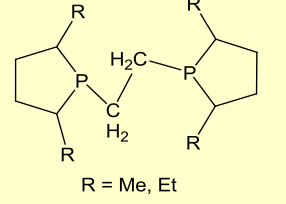
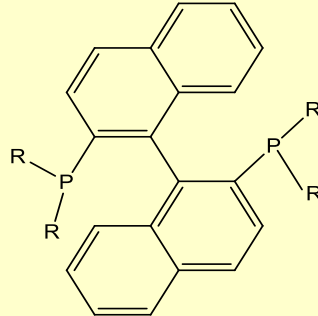
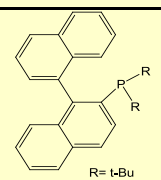
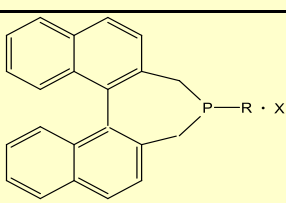
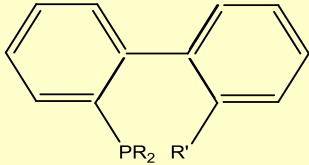
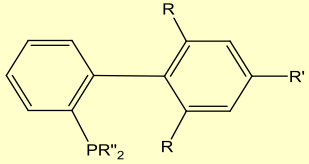
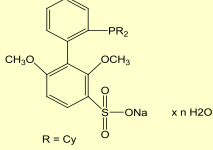
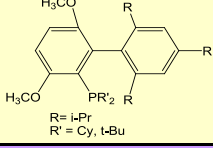
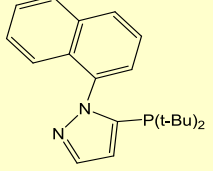
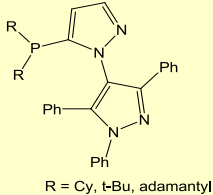
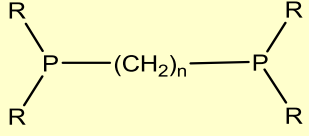


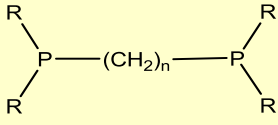
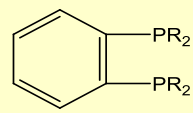
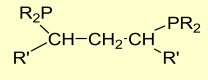
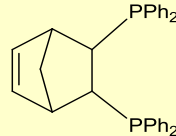
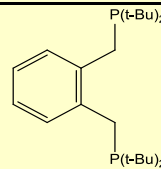
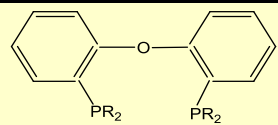
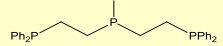
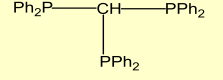
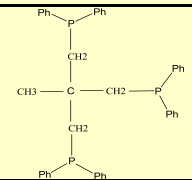
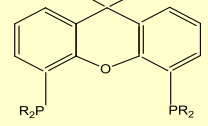
**Organophosphorus compounds**

Cat. #	CAS #	Product Name	Structure
<b>Phospholane Ligands</b>			
0263450 new	147762-89-8	1,1'-Bis[(2R,5R)-2,5-diethyl-1-phospholanyl]ferrocene, 97% R,R-Et-Ferrocene	 <p>R = Me, Et, i-Pr</p>
0263400 new	436863-50-2	1,1'-Bis[(2S,5S)-2,5-diethyl-1-phospholanyl]ferrocene, 98% S,S-Et-Ferrocene	
0263300 new	540475-45-4	(+)-1,1'-Bis[(2R,5R)-2,5-dimethylphospholano]ferrocene, 97% R,R-Me-Ferrocene	
0263350 new	162412-87-5	(-)-1,1'-Bis[(2S,5S)-2,5-dimethylphospholano]ferrocene, 98% S,S-Me-Ferrocene	
0263500 new	849950-54-5	1,1'-Bis[(2R,5R)-2,5-di-i-propyl-1-phospholanyl]ferrocene, 98%	
0157669 new	136705-64-1	(-)-1,2-Bis-[(2R,5R)-2,5-diethylphospholano]benzene, 97% R,R-Et-Duphos	 <p>R = Me, Et</p>
0157670 new	136779-28-7	(+)-1,2-Bis-[(2S,5S)-2,5-diethylphospholano]benzene, 98% S,S-Et-Duphos	
0157657 new	147253-67-6	(-)-1,2-Bis-[(2R,5R)-2,5-dimethylphospholano]benzene, 98% R,R-Me-Duphos	
0157658 new	136735-95-0	(+)-1,2-Bis-[(2S,5S)-2,5-dimethylphospholano]benzene, 98% S,S-Me-Duphos	
0157672 new	136779-27-6	(-)-1,2-Bis[(2S,5S)-2,5-diethylphospholano]ethane, 97% S,S-Et-BPE	 <p>R = Me, Et</p>
0157671 new	136705-62-9	(+)-1,2-Bis[(2R,5R)-2,5-diethylphospholano]ethane, 98% R,R-Et-BPE	
0157663 new	129648-07-3	(+)-1,2-Bis[(2R,5R)-2,5-dimethylphospholano]ethane, 97% R,R-Me-BPE	
0157664 new	136779-26-5	(-)-1,2-Bis[(2S,5S)-2,5-dimethylphospholano]ethane, 97% S,S-Me-BPE	
<b>Binaphthyl Phosphine Ligands</b>			
0155250	137219-86-4	(R)-(+)-2,2'-Bis(di-(3,5-dimethylphenyl)phosphino)-1,1'-binaphthyl, 98% (R)-Xylyl-BINAP	 <p>R = Ph, p-Tolyl, o-Tolyl, Xylyl</p>
0155300	135139-00-3	(S)-(-)-2,2'-Bis(di-(3,5-dimethylphenyl)phosphino)-1,1'-binaphthyl, 98% (S)-Xylyl-BINAP	
0155200	145416-77-9	rac-2,2'-Bis(di(3,5-dimethylphenyl)phosphino)-1,1'-binaphthyl, 98% rac-Xylyl-BINAP	
0151100	98327-87-8	rac-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl, 98% rac-BINAP	
0156850	76189-55-4	(R)-(+)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl, 99% (R)-BINAP	
0156900	76189-56-5	(S)-(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl, 99% (S)-BINAP	
0150655	153305-67-0	rac-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl, 98% rac-p-Tol-BINAP	
0150650	99646-28-3	(R)-(+)-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl, 99% (R)-p-Tol-BINAP	
0150700	100165-88-6	(S)-(-)-2,2'-Bis(di-p-tolylphosphino)-1,1'-binaphthyl, 99% (S)-p-Tol-BINAP	
0156800	255836-67-0	rac-2-(Di-t-butylphosphino)-1,1'-binaphthyl, 98%	 <p>R = t-Bu</p>
0159986	Not available	(11bR)-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine, 97%	 <p>R = H, Cl X = BH<sub>3</sub>, none</p>
0159977	Not available	(11bS)-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine, 97%	
0159982	Not available	(11bR)-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine borane, 97%	
0159981	Not available	(11bS)-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine borane, 97%	
0159892	Not available	(11bR)-4-Chloro-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine, 97%	
0159984	Not available	(11bS)-4-Chloro-4,5-dihydro-3H-dinaphtho[2,1-c:1',2'-e]phosphepine, 97%	

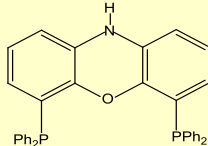
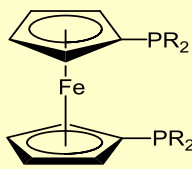
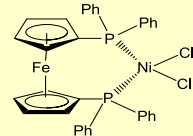
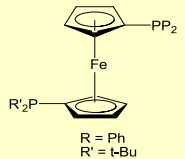
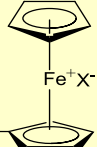
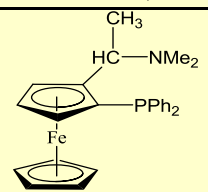
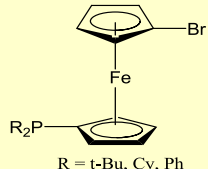
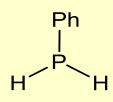
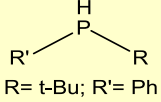
## Organophosphorus compounds

Cat. #	CAS #	Product Name	Structure
<b>Biphenyl Phosphine Ligands</b>			
0150500	84783-64-2	2,2'-Bis(diphenylphosphino)-1,1'-biphenyl, 98% BIPHEP	 <p>R' = H, Me, NMe<sub>2</sub>, PPh<sub>2</sub>, i-Pr R = t-Bu, Cy, Ph</p>
0151700	224311-51-7	2-(Di-t-butylphosphino)biphenyl, 99% JohnPhos	
0155150	224311-49-3	2-Di-t-butylphosphino-2'-(N,N-dimethylamino)biphenyl, 98% tBuDavePhos	
0155550	255837-19-5	2-(Di-t-butylphosphino)-2'-methylbiphenyl, 99% tBuMePhos	
0151800	247940-06-3	2-(Dicyclohexylphosphino)biphenyl, 98%	
0151850	213697-53-1	2-Dicyclohexylphosphino-2'-(N,N-dimethylamino)biphenyl, 98% DavePhos	
0156700	251320-86-2	2-(Dicyclohexylphosphino)-2'-methylbiphenyl, 98% MePhos	
0158400	251320-85-1	2-(Dicyclohexylphosphino)-2'-i-propylbiphenyl, 98%	
0154950	240417-00-9	2-Diphenylphosphino-2'-(N,N-dimethylamino)biphenyl, 98% PhDavePhos	
0158415	657408-07-6	2-Dicyclohexylphosphino-2',6'-dimethoxy-1,1'-biphenyl, min. 98% S-PHOS	 <p>R = OMe, i-Pr, Oi-Pr R' = i-Pr, H; R'' = Cy, t-Bu</p>
0158410	564483-18-7	2-Dicyclohexylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl, 98+% X-PHOS	
0158411	564483-19-8	2-Di-t-butylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl, min. 98% t-Bu-X-PHOS	
0158420	787618-22-8	2-Dicyclohexylphosphino-2',6'-di-i-propoxy-1,1'-biphenyl, 98% RuPhos	
0158414	870447-91-9	2'-Dicyclohexylphosphino-2,6-dimethoxy-1,1'-biphenyl-3-sulfonate hydrate, sodium salt, 97%	 <p>R = Cy</p>
0158412	1070663-78-3	2-Dicyclohexylphosphino-2',4',6'-tri-i-propyl-3,6-dimethoxy-1,1'-biphenyl, 98% BrettPhos	 <p>R = i-Pr R' = Cy, t-Bu</p>
0150460	1160861-53-9	2-Di-t-butylphosphino-2',4',6'-tri-i-propyl-3,6-dimethoxy-1,1'-biphenyl, 98% t-BuBrettPhos	
<b>Pyrazol Phosphine Ligands</b>			
0078650	894085-97-3	5-(Di-t-butylphosphino)-1-(naphthalen-1-yl)-1H-pyrazole, 97%	
0079962	894086-00-1	5-(Di-t-butylphosphino)-1-(1,3,5-triphenyl-1H-pyrazol-4-yl)-1H-pyrazole, 98% BippyPhos	 <p>R = Cy, t-Bu, adamantyl</p>
0079964	1021176-69-1	5-(Dicyclohexylphosphino)-1-(1,3,5-triphenyl-1H-pyrazol-4-yl)-1H-pyrazole, 98% Cy-BippyPhos	
0079863	1239478-87-5	5-[Di(1-adamantyl)phosphino](1,3,5-triphenyl-1H-pyrazol-4-yl)-1H-pyrazole, 97+% Adamantyl-BippyPhos	
<b>Bridged Phosphine Ligands</b>			
0150050	28240-68-8	Bis(dichlorophosphino)methane, 96+%	 <p>n = 1 - 5 R = H, Ph, Cy, Et, Me, C<sub>6</sub>F<sub>5</sub>, Cl</p>
0150100	28240-69-9	1,2-Bis(dichlorophosphino)ethane, 97+%	
0155600	28240-71-3	1,4-Bis(dichlorophosphino)butane, 98%	
0153400	23743-26-2	1,2-Bis(dicyclohexylphosphino)ethane, 98%	
0150150	6411-21-8	1,2-Bis(diethylphosphino)ethane, 98%	
0150355	23936-60-9	1,2-Bis(dimethylphosphino)ethane, 98% DMPE	
0153450	137349-65-6	Bis(dicyclohexylphosphino)methane, 97+%	

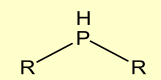
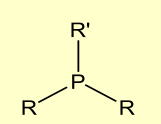
## Organophosphorus compounds

Cat. #	CAS #	Product Name	Structure
<b>Bridged Phosphine Ligands</b>			
0159100	74839-84-2	(2R,3R)-(+)-Bis(diphenylphosphino)butane, 98%	 <p style="text-align: center;">n=1 - 5 R= H, Ph, Cy, Et, Me, C<sub>6</sub>F<sub>5</sub>, Cl</p>
0150800	7688-25-7	(R,R)-CHIRAPHOS 1,4-Bis(diphenylphosphino)butane, 99%	
0150850	1663-45-2	1,2-Bis(diphenylphosphino)ethane, 99%	
0151050	2071-20-7	DIPHOS Bis(diphenylphosphino)methane, 99%	
0159951	27721-02-4	1,5-Bis(diphenylphosphino)pentane, 98%	
0159952	67884-32-6	(R)-(+)-1,2-Bis(diphenylphosphino)propane, 99%	
0151150	6737-42-4	(R)-PROPHOS 1,3-Bis(diphenylphosphino)propane, 98%	
0151200	5518-62-7	1,2-Bis(phosphino)ethane, 99%	
0150300	82495-67-8	1,2-Bis(dichlorophosphino)benzene, 97%	 <p style="text-align: center;">R= H, Ph, Cl</p>
0159950	13991-08-7	1,2-Bis(diphenylphosphino)benzene, 98+%	
0153900	80510-04-9	1,2-Bis(phosphino)benzene, 98+%	
0155350	80510-04-9	1,2-Bis(phosphino)benzene, 98+% 10 wt% in hexane	
0158417 <span style="color: red;">new</span>	Not available	(S,S)-2,4-Bis(bis(3,5-dimethylphenyl)phosphino)pentane, 98%	 <p style="text-align: center;">R = m-Xylyl R = Me</p>
0159966 <span style="color: red;">new</span>	Not available	(R,R)-2,4-Bis(bis(3,5-dimethylphenyl)phosphino)pentane, 98% (R,R)-3,5-Xyl-SKEWPHOS	
0158425	71042-55-2	(2R,3R)-(-)-2,3-Bis(diphenylphosphino)bicyclo(2.2.1)hept-5-ene, min. 97%	
0158426	71042-54-1	(R,R)-NORPHOS (2S,3S)-(+)-2,3-Bis(diphenylphosphino)bicyclo(2.2.1)hept-5-ene, min. 97% (S,S)-NORPHOS	
0150862	121954-50-5	1,2-Bis(di-t-butylphosphinomethyl)benzene, 98%	
0150900	983-80-2	cis-1,2-Bis(diphenylphosphino)ethylene, 98+%	$\text{Ph}_2\text{P}-\text{CH}=\text{CH}-\text{PPh}_2$
0159700	983-81-3	trans-1,2-Bis(diphenylphosphino)ethylene, 98%	
0151509	434336-16-0	Bis(2-dicyclohexylphosphinophenyl)ether, 98%	 <p style="text-align: center;">R = Ph, Cy, o-tolyl</p>
0151000	166330-10-5	Bis(2-diphenylphosphinophenyl)ether, 99%	
0151510	205497-64-9	DPEphos Bis(2-di-o-tolylphosphinophenyl)ether, 97%	
0150950	23582-02-7	Bis(2-diphenylphosphinoethyl)phenylphosphine, 98%	
0159150	28926-65-0	1,1,1-Tris(diphenylphosphino)methane, 98+%	
0159998	22031-12-5	1,1,1-Tris(diphenylphosphinomethyl)ethane, min. 97%.	
0151900	161265-03-8	9,9-Dimethyl-4,5-bis(diphenylphosphino)xanthene, 99%	 <p style="text-align: center;">R=t-Bu, Ph</p>
0151901	856405-77-1	XANTPHOS 9,9-Dimethyl-4,5-bis(di-t-butylphosphino)xanthene, 99% t-Bu-XANTPHOS	

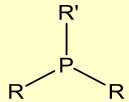
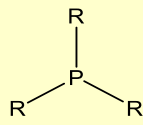
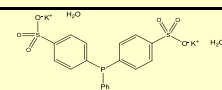
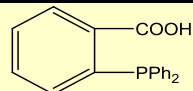
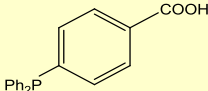
## Organophosphorus compounds

Cat. #	CAS #	Product Name	Structure
<b>Bridged Phosphine Ligands</b>			
0153850	261733-18-0	4,6-Bis(diphenylphosphino)phenoxazine, 98+% NIXANTPHOS	
<b>Phosphinoferrrocene</b>			
0262510	108280-65-5	1,1'-Bis(phosphino)ferrocene, 99%	 R=H, Cy, t-Bu, i-Pr, Ph, Cl
0262050	146960-90-9	1,1'-Bis(dicyclohexylphosphino)ferrocene, 98%	
0261750	84680-95-5	1,1'-Bis(di-t-butylphosphino)ferrocene, 98%	
0260150	12150-46-8	1,1'-Bis(diphenylphosphino)ferrocene, 99%	
0261900	97239-80-0	1,1'-Bis(di-i-propylphosphino)ferrocene, 98%	
0262600	142691-70-1	1,1'-Bis(dichlorophosphino)ferrocene, 98%	
0280450	67292-34-6	Dichloro(1,1'-bis(diphenylphosphino)ferrocene)nickel (II), 99%	
0263650 <span style="color: red;">new</span>	95408-38-1	1-Diphenylphosphino-1'-(di-t-butylphosphino)ferrocene, 97%	 R = Ph R' = t-Bu
0263800 <span style="color: red;">new</span>	223655-16-1	Di-t-butylphosphinoferrrocene, 98%	 R = t-Bu X = BF <sub>4</sub> <sup>-</sup>
0264050 <span style="color: red;">new</span>	1017254-82-8	Di-t-butylphosphinoferrrocene tetrafluoroborate, 98%	
0262870 <span style="color: red;">new</span>	137695-36-4	(S)-N,N-dimethyl-1-((R)-2-Diphenylphosphino)ferrocenylethylamine, 97%	
0262860 <span style="color: red;">new</span>	55700-44-2	(R)-N,N-dimethyl-1-((S)-2-Diphenylphosphino)ferrocenylethylamine, 97%	
0262700	Not available	1-Bromo-1'-dicyclohexylphosphinoferrrocene, 97%	 R = t-Bu, Cy, Ph
0263850	Not available	1-Bromo-1'-(di-tert-butylphosphino)ferrocene, 97%	
0263700	Not available	1-Bromo-1'-diphenylphosphinoferrrocene, 97 %	
<b>Phosphines</b>			
0154400	638-21-1	Phenylphosphine, 99%	
0154401	638-21-1	Phenylphosphine, 99% (10 wt% in hexane)	
0156556	6002-31-9	t-Butylphenylphosphine, 97%	 R = t-Bu; R' = Ph

## Organophosphorus compounds

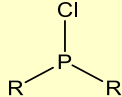
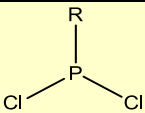
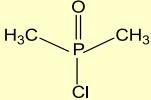
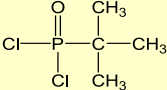
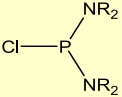
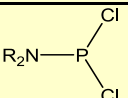
Cat. #	CAS #	Product Name	Structure
<b>Phosphines</b>			
0066560	131211-27-3	Bis(1-adamantyl)phosphine, 98%	 <p>R= t-Bu, i-Pr, Ph, p-tolyl, o-tolyl, xylyl, 2-furyl, (CF<sub>3</sub>)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, (CF<sub>3</sub>)C<sub>6</sub>H<sub>4</sub>, MeOC<sub>6</sub>H<sub>4</sub>, i-PrOC<sub>6</sub>H<sub>4</sub>, Me<sub>2</sub>(OMe)C<sub>6</sub>H<sub>2</sub>, adamantyl, t-Bu<sub>2</sub>(OMe)C<sub>6</sub>H<sub>2</sub></p>
0155700	71360-06-0	Bis(3,5-dimethylphenyl)phosphine, 98%	
0155720	71360-06-0	Bis(3,5-dimethylphenyl)phosphine, 98% (10% solution in hexanes)	
0155500	122708-97-8	Bis(3,5-dimethyl-4-methoxyphenyl)phosphine, 97+%	
0155512	Not available	Bis(3,5-di-t-butyl-4-methoxyphenyl)phosphine, 97+%	
0158500	166172-69-6	Bis(3,5-di(trifluoromethyl)phenyl)phosphine, 98+%	
0152752	216020-59-6	Bis(2-furyl)phosphine, 98+%	
0152760	216020-59-6	Bis(2-furyl)phosphine, 98+% (20 wt.% solution in hexane)	
0157355	99665-68-6	Bis(4-trifluoromethylphenyl)phosphine, 98%	
0155455	10177-79-4	Bis(2-methoxyphenyl)phosphine, 98+%	
0159620	Not available	Bis(2-i-propoxyphenyl)phosphine, 97+%	
0155450	84127-04-8	Bis(4-methoxyphenyl)phosphine, 98+%	
0156550	819-19-2	Di-t-butylphosphine, 98+%	
0156650	819-19-2	Di-t-butylphosphine, 98+% (10% solution in hexanes)	
0151950	829-85-6	Diphenylphosphine, 98%	
0159995	829-85-6	Diphenylphosphine, 98% (20% in hexanes)	
0158950	829-85-6	Diphenylphosphine, 99%	
0158300	20491-53-6	Di-i-propylphosphine, 99%	
0158310	20491-53-6	Di-i-propylphosphine, 99% (10% solution in hexane)	
0154910	29949-64-2	Di(o-tolyl)phosphine, 97%	
0154900	1017-60-3	Di(p-tolyl)phosphine, 98%	
0159000	1017-60-3	Di(p-tolyl)phosphine, 99%	
0152870	7650-91-1	Benzylidiphenylphosphine, 99%	 <p>R= t-Bu, Ph, Cy, Me, Et, C<sub>6</sub>F<sub>5</sub>, C<sub>3</sub>H<sub>6</sub>NH<sub>2</sub> R'= Me, Et, t-Bu, Cy, Ph, i-Pr, n-Pr, vinyl, benzyl, p-tolyl, C<sub>5</sub>H<sub>4</sub>Br, Me<sub>2</sub>NC<sub>6</sub>H<sub>4</sub></p>
0159765	6775-01-5	Bis(3-aminopropyl)phenylphosphine, 96%	
0159957	62336-24-7	2-Bromophenyldiphenylphosphine, 98%	
0154250	93634-87-8	t-Butyldicyclohexylphosphine, 97%	
0159550	Not available	t-Butyldimethylphosphine, 98+%	
0155155	932710-63-9	(4-(N,N-dimethylamino)phenyl)di-t-butylphosphine, 98%	
new 0159760	739-58-2	4-(Dimethylamino)phenyldiphenylphosphine, 98%	
0151400	6372-42-5	Cyclohexyldiphenylphosphine, 98%	
0152210	672-66-2	Dimethylphenylphosphine, 98%	
0154120	1605-53-4	Diethylphenylphosphine, 98%	
0151757	50420-46-7	Dicyclohexylmethylphosphine, 98+%	
0151756	46392-44-3	Dicyclohexylethylphosphine, 98+%	
0151760	6476-37-5	Dicyclohexylphenylphosphine, 98%	

## Organophosphorus compounds

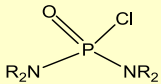
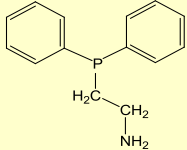
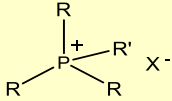
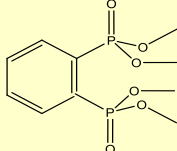
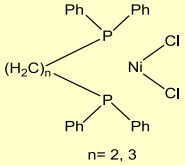
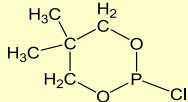
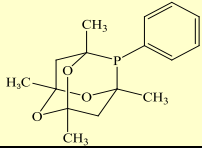
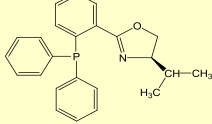
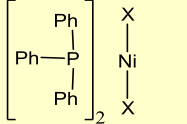
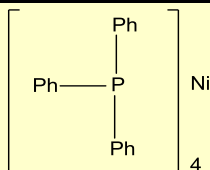
Cat. #	CAS #	Product Name	Structure	
<b>Phosphines</b>				
0157750	19966-99-5	Dicyclohexyl-(p-tolyl)-phosphine, 98+%	 <p style="font-size: small; margin-top: 10px;">R= t-Bu, Ph, Cy, Me, Et, C<sub>6</sub>F<sub>5</sub>, C<sub>3</sub>H<sub>6</sub>NH<sub>2</sub> R'= Me, Et, t-Bu, Cy, Ph, i-Pr, n-Pr, vinyl, benzyl, p-tolyl, C<sub>5</sub>H<sub>4</sub>Br, Me<sub>2</sub>NC<sub>6</sub>H<sub>4</sub></p>	
0155400	436865-11-1	Di-t-butylcyclohexylphosphine, 98%		
0151600	6002-40-0	Di-t-butylmethylphosphine, 98+%		
0151650	32673-25-9	Di-t-butylphenylphosphine, 98%		
0152200	607-01-2	Ethylidiphenylphosphine, 99%		
0152955	719-80-2	Ethylidiphenylphosphinite, 98+%		
0152250	1486-28-8	Methyldiphenylphosphine, 99%		
0154110	6372-40-3	i-Propyldiphenylphosphine, 99%		
0154111	7650-84-2	n-Propyldiphenylphosphine, 98%		
0153155	5074-71-5	Bis(pentafluorophenyl)phenylphosphine, 97%		
0153350	2155-96-6	Vinyldiphenylphosphine, 98+%		
0152450	16523-89-0	Triallylphosphine, 97+%		 <p style="font-size: small; margin-top: 10px;">R=n-Pr, i-Pr, t-Bu, Cy, allyl, p-tolyl, o-tolyl, xylyl, C<sub>6</sub>H<sub>4</sub>Cl, C<sub>6</sub>H<sub>4</sub>F, (F<sub>3</sub>C)C<sub>6</sub>H<sub>4</sub>, C<sub>6</sub>F<sub>5</sub>, 2-furyl, naphthyl, MeOC<sub>6</sub>H<sub>4</sub>, (MeO)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Me<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Me<sub>3</sub>Si, Me<sub>2</sub>(MeO)C<sub>6</sub>H<sub>2</sub></p>
0152500	13716-12-6	Tri-t-butylphosphine, 99%		
0152550	13716-12-6	Tri-t-butylphosphine, 99% (10 wt% in hexanes)		
0158200	18437-78-0	Tris(p-fluorophenyl)phosphine, 99%		
0153800	1159-54-2	Tri(p-chlorophenyl)phosphine, 99%		
0157200	121898-64-4	Tris(4-methoxy-3,5-dimethylphenyl)phosphine, 98+%		
0150600	2622-14-2	Tricyclohexylphosphine, 99%		
0152800	3411-48-1	Tri(1-naphthyl)phosphine, 97%		
0155900	6476-36-4	Tri-i-propylphosphine, 98% (10% in hexanes)		
0155950	6476-36-4	Tri-i-propylphosphine, 98%		
0152750	5518-52-5	Tri-2-furylphosphine, 98+%		
0159600	2234-97-1	Tri-n-propylphosphine, 98%		
0153010	85417-41-0	Tris(2,6-dimethoxyphenyl)phosphine, 97+%		
0155650	69227-47-0	Tris(3,5-dimethylphenyl)phosphine, 98%		
0153050	29949-84-6	Tris(m-methoxyphenyl)phosphine, 98+%		
0157220	49676-42-8	Tris(2,4-dimethylphenyl)phosphine, 98%		
0153100	855-38-9	Tris(p-methoxyphenyl)phosphine, 98%		
0153000	4731-65-1	Tris(o-methoxyphenyl)phosphine, 98+%		
0158215	13406-29-6	Tris(p-trifluoromethylphenyl)phosphine, 98%		
0158210	13406-29-6	Tris(p-trifluoromethylphenyl)phosphine, 99%		
0153150	1259-35-4	Tris(pentafluorophenyl)phosphine, 98%		
0153250	15573-38-3	Tris(trimethylsilyl)phosphine, 98+%		
0153255	15573-38-3	Tris(trimethylsilyl)phosphine, 98+% (10% solution in hexanes)		
0151250	308103-66-4	Bis(p-sulfonatophenyl)phenylphosphine dihydrate dipotassium salt, 97+%		
0086300	17261-28-8	2-(Diphenylphosphino)benzoic acid, 98%		
0086330	2129-31-9	4-(Diphenylphosphino)benzoic acid, 98%		



## Organophosphorus compounds

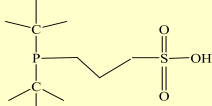
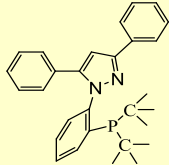
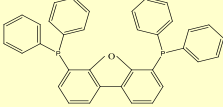
Cat. #	CAS #	Product Name	Structure
<b>Halophosphines</b>			
0155750	74289-57-9	Bis(3,5-dimethylphenyl)chlorophosphine, 97%	 <p>R= Me, Et, i-Pr, t-Bu, Cy, Xylyl, MeC<sub>6</sub>H<sub>4</sub>, MeOC<sub>6</sub>H<sub>4</sub>, p-tolyl, o-tolyl, 2-furyl, (F<sub>3</sub>C)C<sub>6</sub>H<sub>4</sub>, (F<sub>3</sub>C)<sub>2</sub>C<sub>6</sub>H<sub>3</sub>, Et<sub>2</sub>N, Me<sub>2</sub>(OMe)C<sub>6</sub>H<sub>2</sub>, (t-Bu)<sub>2</sub>(OMe)C<sub>6</sub>H<sub>2</sub>, C<sub>6</sub>H<sub>4</sub>Cl, C<sub>6</sub>H<sub>4</sub>F, naphthyl, benzyl, i-PrOC<sub>6</sub>H<sub>4</sub></p>
0157300	136802-85-2	Bis(3,5-dimethyl-4-methoxyphenyl)chlorophosphine, 97%	
0155510	212713-08-1	Bis(3,5-di-t-butyl-4-methoxyphenyl)chlorophosphine, 97%	
0157250	142421-57-6	Bis(3,5-di(trifluoromethyl)phenyl)chlorophosphine, 98+%	
0157400	Not available	Bis(4-chlorophenyl)chlorophosphine, 98+%	
0157450	23039-97-6	Bis(4-fluorophenyl)chlorophosphine, 98+%	
0152751	181257-35-2	Bis(2-furyl)phosphine chloride, 98+%	
0155460	263369-88-6	Bis(2-methoxyphenyl)chlorophosphine, 98+%	
0155800	13685-30-8	Bis(4-methoxyphenyl)chlorophosphine, 98+%	
0159610	Not available	Bis(2-i-propoxyphenyl)chlorophosphine, 97+%	
0155000	1019-71-2	Bis(p-tolyl)chlorophosphine, 98%	
0157350	13685-24-0	Bis(4-trifluoromethylphenyl)chlorophosphine, 98%	
0155410	Not available	t-Butylcyclohexylchlorophosphine, 98%	
0157015	17850-02-1	Dibenzylchlorophosphine, 97%	
0151500	13716-10-4	Di-t-butylchlorophosphine, 98+%	
0151750	16523-54-9	Dicyclohexylchlorophosphine, 98+%	
0157600	686-69-1	Diethylchlorophosphine, 98%	
0159350	811-62-1	Dimethylchlorophosphine, 98+%	
0153500	40244-90-4	Di-i-propylchlorophosphine, 97%	
0157000	36042-94-1	Di(o-tolyl)chlorophosphine, 97%	
0152815	36042-99-6	Bis(1-naphthyl)chlorophosphine, 95%	
0151300	25979-07-1	t-Butyldichlorophosphine, 98%	 <p>R= t-Bu, Cy</p>
0156950	2844-89-5	Cycloxyldichlorophosphine, 98%	
0159992	1111-92-8	Dimethylphosphinic chloride, 99%	
0159963	4707-95-3	t-Butylphosphonic dichloride, 98%	
<b>Aminophosphines</b>			
0150200	685-83-6	Bis(diethylamino)chlorophosphine, 98%	 <p>R= Me, Et, i-Pr</p>
0150210	3348-44-5	Bis(dimethylamino)chlorophosphine, 98%	
0150220	56183-63-2	Bis(di-i-propylamino)chlorophosphine, 97+%	
0073850	1069-08-5	Diethylaminodichlorophosphine, 99%	 <p>R= Me, Et</p>
0159750	683-85-2	Dimethylaminodichlorophosphine, 98%	

## Organophosphorus compounds

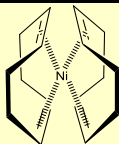
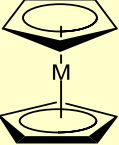
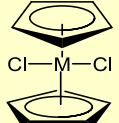
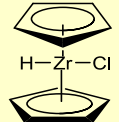
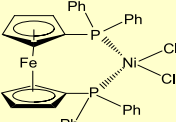
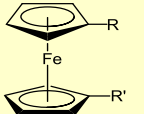
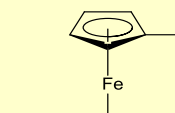
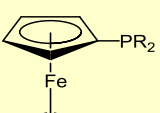
Cat. #	CAS #	Product Name	Structure
<b>Aminophosphines</b>			
0157550 0073950	1794-24-7 1605-65-8	Bis(diethylamino)phosphoryl chloride, 99% Bis(dimethylamino)phosphoryl chloride, 98%	 <p>R = Me, Et</p>
0158365	4848-43-5	2-(Diphenylphosphino)ethylamine, 97%	
<b>Phosphonium salts</b>			
0159650 0159651 0152300 0152400 0159958 0159652 0159961	870777-30-3 612088-55-8 1779-49-3 2751-90-8 131274-22-1 58656-04-5 121099-07-8	Di-t-butylmethylphosphonium tetrafluoroborate, 99% Di-t-butylphenylphosphonium tetrafluoroborate, 99% Methyltriphenylphosphonium bromide, 98+% Tetraphenylphosphonium bromide, 99% Tri-t-butylphosphonium tetrafluoroborate, 99% Tricyclohexylphosphonium tetrafluoroborate, 99% Tri-i-propylphosphonium tetrafluoroborate, 99%	 <p>R = Ph, t-Bu, Me, i-Pr, Cy R' = Ph, Me, H X = Br, BF<sub>4</sub></p>
<b>Miscellaneous compounds</b>			
0150250	15104-46-8	1,2-Bis(dimethoxyphosphoryl)benzene, 99%	
0280050 0280100	14647-23-5 15629-92-2	1,2-Bis(diphenylphosphino)ethane nickel (II) chloride, 99% 1,3-Bis(diphenylphosphino)propane nickel (II) chloride, 99%	 <p>n = 2, 3</p>
0158270	2428-06-0	2-Chloro-5,5-dimethyl-1,3,2-dioxaphosphorinane, 97%	
0153530 <span style="color: red;">new</span>	97739-46-3	1,3,5,7-Tetramethyl-2,4,8-trioxa-6-phenyl-6-phosphaadamantane, 98% MeCgPPh	
0159955	164858-78-0	(R)-(+)-2-[2-(Diphenylphosphino)phenyl]-4-(1-methylethyl)-4,5-dihydrooxazole, 98%	
0280350 0280400	14126-37-5 14264-16-5	Bis(triphenylphosphine)nickel (II) bromide, 99% Bis(triphenylphosphine)nickel (II) chloride, 99%	 <p>X = Br, Cl</p>
0282300	15133-82-1	Tetrakis(triphenylphosphine)nickel (0), 96%	



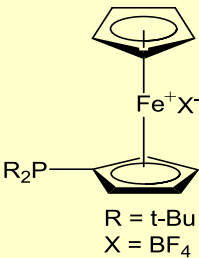
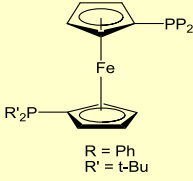
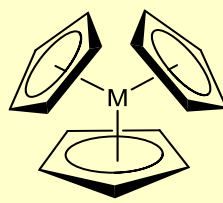
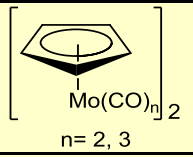
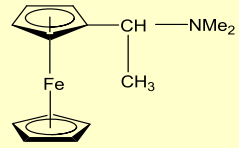
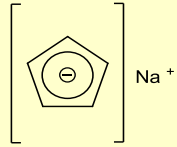
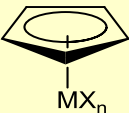
## Organophosphorus compounds

Cat. #	CAS #	Product Name	Structure
Miscellaneous compounds			
0161250 new	1055888-89-5	3-(Di-t-butylphosphonium)propane sulfonate, 97% DTBPPS	
0079967 new	628333-86-8	1-(2-Di-t-butylphosphinophenyl)-3,5-diphenyl-1H-pyrazole, 98% TrippyPhos	
0089325 new	133850-81-4	4,6-Bis(diphenylphosphino)dibenzofuran, 98%	

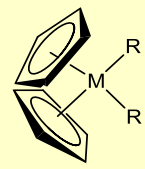
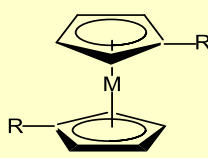
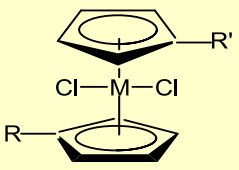
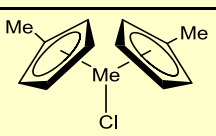
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Cyclooctadiene derivatives</b>			
0280900	1295-35-8	Bis(1,5-cyclooctadiene)nickel (0), 98+%	
<b>Cyclopentadienyl derivatives</b>			
0240150	1271-24-5	Bis(cyclopentadienyl)chromium, 97+%, sublimed Chromocene	 M= Cr, Co, Mg, Mn, Ni, V
0270100	1277-43-6	Bis(cyclopentadienyl)cobalt (II), 98+% Cobaltocene	
0120050	1284-72-6	Bis(cyclopentadienyl)magnesium, 99% (99.9%-Mg)	
0120351	1284-72-6	Bis(cyclopentadienyl)magnesium, 99% (99.99%-Mg)	
0250050	73138-26-8	Bis(cyclopentadienyl)manganese, 98+% Manganocene	
0280550	1271-28-9	Bis(cyclopentadienyl)nickel, 99% Nickelocene	
0230050	1277-47-0	Bis(cyclopentadienyl)vanadium, sublimed, 98% Vanadocene	
0720150	12116-66-4	Bis(cyclopentadienyl)hafnium dichloride, 98+% Hafnocene dichloride	 M= Hf, V, Zr
0230100	12083-48-6	Bis(cyclopentadienyl)vanadium dichloride, 98% Vanadocene dichloride	
0401250	1291-32-3	Bis(cyclopentadienyl)zirconium dichloride, 99% Zirconocene dichloride	
0400200	37342-97-5	Bis(cyclopentadienyl)zirconium chloride hydride, 95+% Schwartz's Reagent	
0280450	67292-34-6	Dichloro(1,1'-bis(diphenylphosphino)ferrocene)nickel (II), 99%	
0263050	1273-73-0	Bromoferrocene, 97%	 R=H, Br; R'=Br
0262350	1293-65-8	1,1'-Dibromoferrocene, 97%	
0263850	Not available	1-Bromo-1'-(di-tert-butylphosphino)ferrocene, 97%	 R = t-Bu, Cy, Ph
0262700	Not available	1-Bromo-1'-dicyclohexylphosphinoferrocene, 97%	
0263700	Not available	1-Bromo-1'-diphenylphosphinoferrocene, 97 %	
0262510	108280-65-5	1,1'-Bis(phosphino)ferrocene, 99%	 R=H, Cy, t-Bu, i-Pr, Ph, Cl
0262050	146960-90-9	1,1'-Bis(dicyclohexylphosphino)ferrocene, 98%	
0261750	84680-95-5	1,1'-Bis(di-t-butylphosphino)ferrocene, 98%	
0260150	12150-46-8	1,1'-Bis(diphenylphosphino)ferrocene, 99%	
0261900	97239-80-0	1,1'-Bis(di-i-propylphosphino)ferrocene, 98%	
0262600	142691-70-1	1,1'-Bis(dichlorophosphino)ferrocene, 98%	

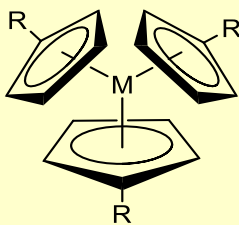
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Cyclopentadienyl derivatives</b>			
0263800 <span style="color: red; font-size: small;">new</span> 0264050 <span style="color: red; font-size: small;">new</span>	223655-16-1  1017254-82-8	Di-t-butylphosphinoferrrocene, 98%  Di-t-butylphosphinoferrrocene tetrafluoroborate, 98%	 <p style="text-align: center; font-size: small;">R = t-Bu X = BF<sub>4</sub></p>
0263650 <span style="color: red; font-size: small;">new</span>	95408-38-1	1-Diphenylphosphino-1'-(di-t-butylphosphino)ferrrocene, 97%	 <p style="text-align: center; font-size: small;">R = Ph R' = t-Bu</p>
0580350 0680200 0640100 0570250 0600050 0590100 0620150 0650400 0690050 0700600 0390200	1298-53-9 39330-74-0 1272-21-5 1272-23-7 1273-98-9 11077-59-1 1298-55-1 1272-25-9 1272-26-0 1295-20-1 1294-07-1	Tris(cyclopentadienyl)cerium (III), 99% (99.9%-Ce) (REO) Tris(cyclopentadienyl)erbium (III), 99% (99.9%-Er) (REO) Tris(cyclopentadienyl)gadolinium (III), 98% (99.9%-Gd) (REO) Tris(cyclopentadienyl)lanthanum (III), 99% (99.9%-La) (REO) Tris(cyclopentadienyl)neodymium (III), 99% (99.9%-Nd) (REO) Tris(cyclopentadienyl)praseodymium (III), 99% (99.9%-Pr) (REO) Tris(cyclopentadienyl)samarium (III), 99% (99.9%-Sm) (REO) Tris(cyclopentadienyl)terbium (III), 99% (99.9%-Tb) (REO) Tris(cyclopentadienyl)thulium (III), 99% (99.9%-Tm) (REO) Tris(cyclopentadienyl)ytterbium (III), 99% (99.9%-Yb) (REO) Tris(cyclopentadienyl)yttrium (III), 99% (99.9%-Y) (REO)	 <p style="text-align: center; font-size: small;">M = Ce, Er, Gd, La, Nd, Pr, Sm, Tb, Tm, Yb, Y</p>
0420200	12091-64-4	Cyclopentadienylmolybdenum tricarbonyl dimer, 98+%	 <p style="text-align: center; font-size: small;">n = 2, 3</p>
0260550 0260560 0260555	31904-34-4 31886-57-4 31886-58-5	alpha-(N,N-Dimethylamino)ethylferrrocene, 98% (S)-alpha-(N,N-Dimethylamino)ethylferrrocene, 98% (R)-alpha-(N,N-Dimethylamino)ethylferrrocene, 98%	
0110250	4984-82-1	Sodium cyclopentadienide, 2-3M in THF	 <p style="text-align: center; font-size: small;">Na<sup>+</sup></p>
0420150 0410050 0730650 0220450 0400550 0722200 0403370 0403750	62927-99-5 33114-15-7 62927-98-4 1270-98-0 34767-44-7 Not available Not available Not available	Cyclopentadienylmolybdenum (V) tetrachloride, 95+% Cyclopentadienylniobium (V) tetrachloride, 98% Cyclopentadienyltantalum tetrachloride, 97% Cyclopentadienyltitanium trichloride, 99% Cyclopentadienylzirconium trichloride, 98+% Tris(t-butoxy)cyclopentadienylhafnium, 98% Tris(t-butoxy)cyclopentadienylzirconium, 98% Tris(i-propoxy)cyclopentadienylzirconium, 98%	 <p style="text-align: center; font-size: small;">M = Mo, Nb, Ta, Ti, Zr, Hf X = Cl, t-BuO, i-PrO n = 3, 4</p>

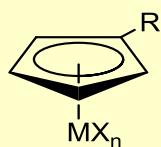
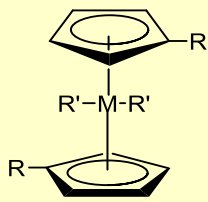

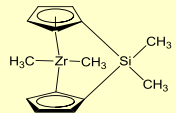
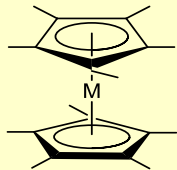
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Cyclopentadienyl derivatives</b>			
0720800 0401400	37260-88-1 12636-72-5	Dimethylbis(cyclopentadienyl)hafnium, 97+% Dimethylbis(cyclopentadienyl)zirconium, 98+%	 <p>M= Hf, Zr R= Me</p>
<b>Alkylcyclopentadienyl derivatives</b>			
0240250 0120100 0250100 0280150 0230700 0270550 0250110 0280700 0240350 0120400 0280250 0120150	55940-03-9 114460-02-5 101923-26-6 31886-51-8 55940-04-0 12146-91-7 32985-17-4 1293-95-4 329735-69-5 85594-02-1 57197-55-4 114504-74-4	Bis(ethylcyclopentadienyl)chromium, 98+% Bis(ethylcyclopentadienyl)magnesium, 98+% Bis(ethylcyclopentadienyl)manganese, 98+% Bis(ethylcyclopentadienyl)nickel, 97+% Bis(ethylcyclopentadienyl)vanadium, 98% Bis(methylcyclopentadienyl)cobalt (II), 98+% Bis(methylcyclopentadienyl)manganese, 98+% Bis(methylcyclopentadienyl)nickel, 97% Bis(i-propylcyclopentadienyl)chromium, 98+% Bis(i-propylcyclopentadienyl)manganese, 98+% Bis(i-propylcyclopentadienyl)nickel, 97+% Bis(n-propylcyclopentadienyl)magnesium, 98+%	 <p>M= Cr, Mg, Mn, Ni, Hf, Co, V R= Me, Et, n-Pr, i-Pr</p>
0221650 0400100 0720050 0220050 0400050 0720200 0220200 0400150 0721500 0402400 0720950 0220300 0400400 0402250	73364-20-2 73364-10-0 33010-55-8 79269-71-9 32876-92-9 78205-93-3 35625-75-3 73364-08-6 Not available 12109-71-6 66349-80-2 12130-65-3 58628-40-3 Not available	Bis(n-butylcyclopentadienyl)titanium dichloride, 98% Bis(n-butylcyclopentadienyl)zirconium dichloride, 98+% Bis(t-butylcyclopentadienyl)hafnium dichloride, 98+% Bis(t-butylcyclopentadienyl)titanium dichloride, 98+% Bis(t-butylcyclopentadienyl)zirconium dichloride, 98+% Bis(ethylcyclopentadienyl)hafnium dichloride, 98+% Bis(ethylcyclopentadienyl)titanium (IV) dichloride, 98+% Bis(ethylcyclopentadienyl)zirconium dichloride, 98+% Bis(methylcyclopentadienyl)hafnium dichloride, 98% Bis(methylcyclopentadienyl)zirconium dichloride, 98% Bis(i-propylcyclopentadienyl)hafnium dichloride, 98+% Bis(i-propylcyclopentadienyl)titanium dichloride, 98+% Bis(i-propylcyclopentadienyl)zirconium dichloride, 98+% Cyclopentadienyl(n-butylcyclopentadienyl)zirconium dichloride, 97%	 <p>M= Hf, Ti, Zr R=R'= Me, Et, i-Pr, n-Bu, t-Bu R'=H</p>
0391200 0681150 0700900	Not available 78637-32-8 43143-59-5	Bis(methylcyclopentadienyl)yttrium chloride, 97% Bis(methylcyclopentadienyl)erbium chloride, 97% Bis(methylcyclopentadienyl)ytterbium chloride, 97%	 <p>M= Y, Er, Yb</p>

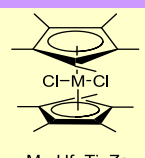
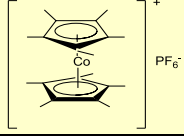
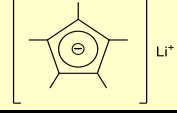
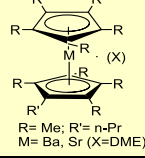
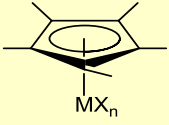
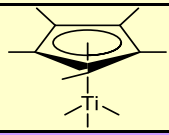
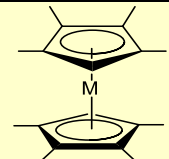
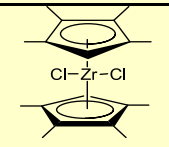
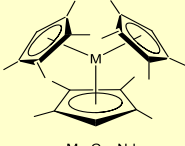
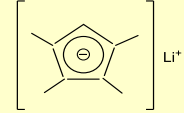
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Alkylcyclopentadienyl derivatives</b>			
0660750 <span style="color: red;">new</span>	Not available	Tris(n-butylcyclopentadienyl)dysprosium (III), 97% (99.9%-Dy) (REO)	 <p>M= Ce, Er, Gd, La, Nd, Yb, Pr, Tb, Y, Lu, Sm, Dy R= Me, Et, n-Pr, i-Pr, n-Bu</p>
0680100	153608-51-6	Tris(n-butylcyclopentadienyl)erbium (III), 98% (99.9%-Er) (REO)	
0640800 <span style="color: red;">new</span>	Not available	Tris(n-butylcyclopentadienyl)gadolinium (III), 97% (99.9%-Gd) (REO)	
0571100 <span style="color: red;">new</span>	404009-16-1	Tris(n-butylcyclopentadienyl)lanthanum (III), 98% (99.9%-La) (REO)	
0390150	312739-77-8	Tris(n-butylcyclopentadienyl)yttrium (III), 98% (99.9%-Y) (REO)	
0660800 <span style="color: red;">new</span>	476364-60-0	Tris(ethylcyclopentadienyl)dysprosium (III), 97% (99.9%-Dy) (REO)	
0680800	Not available	Tris(ethylcyclopentadienyl)erbium (III), 97% (99.9%-Er) (REO)	
0640900 <span style="color: red;">new</span>	307531-69-7	Tris(ethylcyclopentadienyl)gadolinium (III), 98% (99.9%-Gd) (REO)	
0570950 <span style="color: red;">new</span>	404009-15-0	Tris(ethylcyclopentadienyl)lanthanum (III), 98% (99.9%-La) (REO)	
0590700 <span style="color: red;">new</span>	476364-56-4	Tris(ethylcyclopentadienyl)praseodymium (III), 98%(99.9%-Pr) (REO)	
0700800 <span style="color: red;">new</span>	404009-21-8	Tris(ethylcyclopentadienyl)ytterbium (III), 97% (99.9%-Yb) (REO)	
0391000	Not available	Tris(ethylcyclopentadienyl)yttrium (III), 98% (99.9%-Y) (REO)	
0660850 <span style="color: red;">new</span>	Not available	Tris(methylcyclopentadienyl)dysprosium (III), 98% (99.9%-Dy) (REO)	
0680750	39470-10-5	Tris(methylcyclopentadienyl)erbium (III), 99% (99.9%-Er) (REO)	
0640950 <span style="color: red;">new</span>	39470-11-6	Tris(methylcyclopentadienyl)gadolinium (III), 98% (99.9%-Gd) (REO)	
0570955	99080-23-6	Tris(methylcyclopentadienyl)lanthanum (III), 98% (99.9%-La) (REO)	
0710500 <span style="color: red;">new</span>	Not available	Tris(methylcyclopentadienyl)lutetium (III), 98% (99.9%-Lu) (REO)	
0700950 <span style="color: red;">new</span>	Not available	Tris(methylcyclopentadienyl)ytterbium (III), 97% (99.9%-Yb) (REO)	
0390250	329735-72-0	Tris(methylcyclopentadienyl)yttrium (III), 97% (99.9%-Y) (REO)	
0580050	122528-16-9	Tris(i-propylcyclopentadienyl)cerium (III), 98% (99.9%-Ce) (REO)	
0660500	952518-08-0	Tris(i-propylcyclopentadienyl)dysprosium (III), 97% (99.9%-Dy) (REO)	
0680150	130521-76-5	Tris(i-propylcyclopentadienyl)erbium (III), 99% (99.9%-Er) (REO)	
0640850 <span style="color: red;">new</span>	126970-21-6	Tris(i-propylcyclopentadienyl)gadolinium (III), 98% (99.9%-Gd) (REO)	
0570300	68959-87-5	Tris(i-propylcyclopentadienyl)lanthanum (III), 98% (99.9%-La) (REO)	
0710300	Not available	Tris(i-propylcyclopentadienyl)lutetium (III), 99% (99.9%-Lu) (REO)	
0600100	69021-85-8	Tris(i-propylcyclopentadienyl)neodymium (III), 99% (99.9%-Nd) (REO)	
0590150	69021-86-9	Tris(i-propylcyclopentadienyl)praseodymium (III), 99% (99.9%-Pr) (REO)	
0620550	Not available	Tris(i-propylcyclopentadienyl)samarium (III), 99% (99.9%-Sm) (REO)	
0650300	312696-25-6	Tris(i-propylcyclopentadienyl)terbium (III), 99% (99.9%-Tb) (REO)	
0700700	84079-76-5	Tris(i-propylcyclopentadienyl)ytterbium (III), 97% (99.9%-Yb) (REO)	
0390950	Not available	Tris(i-propylcyclopentadienyl)yttrium (III), 98% (99.9%-Y) (REO)	
0390700	329735-73-1	Tris(n-propylcyclopentadienyl)yttrium (III), 98% (99.9%- Y) (REO)	

## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Alkylcyclopentadienyl derivatives</b>			
0721750	Not available	Ethylcyclopentadienylhafnium trichloride, 97%	 <p>R = Me, Et, n-Bu, i-Pr M = Zr, Hf, Pt, Ti, Er X = Cl, Me, MeO, t-BuO, i-PrO n = 2, 3</p>
0403000	Not available	Ethylcyclopentadienylzirconium trichloride, 97%	
0701000 <span style="color: red;">new</span>	Not available	(Ethylcyclopentadienyl)ytterbium dichloride (III), 97% (99.9%-Yb) (REO)	
0403050	Not available	Methylcyclopentadienylzirconium trichloride, 98%	
0681155 <span style="color: red;">new</span>	Not available	(Methylcyclopentadienyl)erbium dichloride (III), 97% (99.9%-Er) (REO)	
0571200 <span style="color: red;">new</span>	Not available	(i-Propylcyclopentadienyl)lanthanum dichloride (III), 97% (99.9%-La) (REO)	
0400500	329735-75-3	n-Butylcyclopentadienylzirconium trichloride, 98%	
0220755 <span style="color: red;">new</span>	706820-38-4	Trimethoxy(methylcyclopentadienyl)titanium, 98%	
0780150	94442-22-5	Trimethyl(methylcyclopentadienyl)platinum, 98%	
0403350 <span style="color: red;">new</span>	Not available	Tris(t-butoxy)ethylcyclopentadienylzirconium, 98%	
0722300 <span style="color: red;">new</span>	Not available	Tris(t-butoxy)methylcyclopentadienylhafnium, 98%	
0403360 <span style="color: red;">new</span>	Not available	Tris(t-butoxy)methylcyclopentadienylzirconium, 98%	
0722400 <span style="color: red;">new</span>	Not available	Tris(i-propoxy)methylcyclopentadienylhafnium, 98%	
0403700 <span style="color: red;">new</span>	Not available	Tris(i-propoxy)methylcyclopentadienylzirconium, 98%	
0402750	Not available	Dimethoxybis(ethylcyclopentadienyl)zirconium, 97%	 <p>M = Hf, Ti, Zr R = Me, Et, t-Bu R' = Me, OMe</p>
0402650	Not available	Dimethoxybis(methylcyclopentadienyl)zirconium, 98%	
0720300	68193-45-3	Dimethylbis(t-butylcyclopentadienyl)hafnium (IV), 98+%	
0220500	216107-76-5	Dimethylbis(t-butylcyclopentadienyl)titanium (IV), 98+%	
0400600	68193-40-8	Dimethylbis(t-butylcyclopentadienyl)zirconium, 96%	
0721450	Not available	Dimethylbis(ethylcyclopentadienyl)hafnium, 98%	
0402350	Not available	Dimethylbis(ethylcyclopentadienyl)zirconium, 98%	
0721400	68193-43-1	Dimethylbis(methylcyclopentadienyl)hafnium, 98%	
0402300 <span style="color: red;">new</span>	68193-38-4	Dimethylbis(methylcyclopentadienyl)zirconium, 98%	
0403850 <span style="color: red;">new</span>	154675-56-6	(4,4,8,8-Tetramethyl-1,4,5,8-tetrahydro-4,8-disilaindacene-1,5-diyl)zirconium dichloride, 99%	
0401050	Not available	Dimethyl(dimethylbis(cyclopentadienyl)silyl)zirconium, 98+%	
<b>Pentaalkylcyclopentadienyl derivatives</b>			
0240300	74507-61-2	Bis(pentamethylcyclopentadienyl)chromium, 98+% Decamethylchromocene	 <p>M = Cr, Mn, Ni, Fe, Ca</p>
0260250	12126-50-0	Bis(pentamethylcyclopentadienyl)iron, 99%	
0250600	67506-86-9	Bis(pentamethylcyclopentadienyl)manganese, 98+%	
0280200	74507-63-4	Bis(pentamethylcyclopentadienyl)nickel, 98+%	
0200450	101200-05-9	Bis(pentamethylcyclopentadienyl)calcium, 98%	

## Organometallic compounds

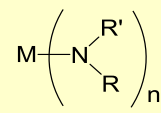
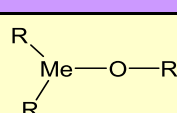
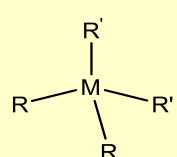
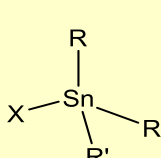
Cat. #	CAS #	Product Name	Structure
<b>Pentaalkylcyclopentadienyl derivatives</b>			
0720250	85959-83-7	Bis(pentamethylcyclopentadienyl)hafnium dichloride, 98+%	 <p style="text-align: center;">M= Hf, Ti, Zr</p>
0220250	11136-36-0	Bis(pentamethylcyclopentadienyl)titanium dichloride, 99%	
0400350	54039-38-2	Bis(pentamethylcyclopentadienyl)zirconium dichloride, 99%	
0270200	79973-42-5	Bis(pentamethylcyclopentadienyl)cobalt hexafluorophosphate, 98%	
0030200	51905-34-1	Lithium pentamethylcyclopentadienide, 98%	
0560050	210758-43-3	Bis(n-propyltetramethylcyclopentadienyl)barium dimethoxyethane adduct	 <p style="text-align: center;">R= Me; R'= n-Pr M= Ba, Sr (X=DME)</p>
0380100	Not available	Bis(n-propyltetramethylcyclopentadienyl)strontium dimethoxyethane adduct	
0720500	75181-08-7	Pentamethylcyclopentadienylhafnium trichloride, 98+%	 <p style="text-align: center;">M= Hf, Ta, Ti, Zr X= Cl, OCH<sub>3</sub> n= 3, 4</p>
0730100	71414-47-6	Pentamethylcyclopentadienyltantalum tetrachloride, 98%	
0220700	12129-06-5	Pentamethylcyclopentadienyltitanium trichloride, 98%	
0220750	123927-75-3	Trimethoxypentamethylcyclopentadienyltitanium, 97+%	
0400850	75181-07-6	Pentamethylcyclopentadienylzirconium trichloride, 99%	
0220800	107333-47-1	(Trimethyl)pentamethylcyclopentadienyltitanium (IV), 97+%	
<b>Tetraalkylcyclopentadienyl derivatives</b>			
0240400	82066-37-3	Bis(tetramethylcyclopentadienyl)chromium, 98+%	 <p style="text-align: center;">M= Cr, Mn, Ni, Fe</p>
0260350	59568-28-4	Bis(tetramethylcyclopentadienyl)iron, 98+%	
0250150	101932-75-6	Bis(tetramethylcyclopentadienyl)manganese, 98+%	
0280300	79019-60-6	Bis(tetramethylcyclopentadienyl)nickel, 98+%	
0400450	119445-90-8	Bis(tetramethylcyclopentadienyl)zirconium dichloride, 99%	
0580301	251984-08-4	Tris(tetramethylcyclopentadienyl)cerium (III), 99% (99.9%-Ce) (REO)	 <p style="text-align: center;">M= Ce, Nd</p>
0600150	164528-22-7	Tris(tetramethylcyclopentadienyl)neodymium, 98% (99.9%-Nd) (REO)	
0030150	82061-21-0	Lithium tetramethylcyclopentadienide, 97+%	



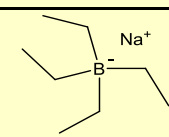
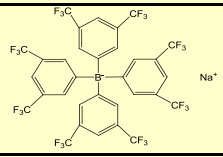
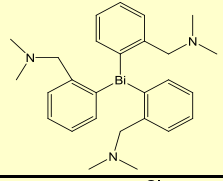
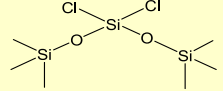
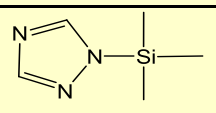
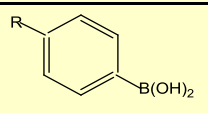
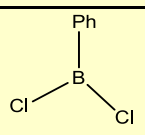
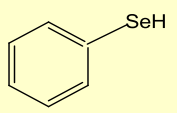
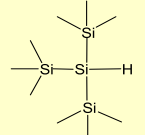
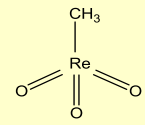
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Bridged metallocenes</b>			
0221600 0400800	Not available 100080-82-8	rac-Ethylenebis(1-indenyl)titanium dichloride, 98% rac-Ethylenebis(1-indenyl)zirconium dichloride, 98+%	 M = Zr, Ti
0400650	86050-32-0	(Dimethylbis(cyclopentadienyl)silyl)zirconium dichloride, 98+%	
0400750 0402050	121009-93-6 149342-08-5	rac-Dimethylsilylbis(1-indenyl)zirconium dichloride, 97+% rac-Dimethylsilylbis(2-methylindenyl)zirconium dichloride, 98%	 R=H, Me
<b>Indenyl derivatives</b>			
0400250 0400300 0140050 0400700	12148-49-1 165688-64-2 18666-26-7 49596-04-5	Bis(indenyl)zirconium dichloride, 98+% Bis(2-methylindenyl)zirconium dichloride, 98+% Dimethylbis(indenyl)silane, 98+% Dimethylbis(indenyl)zirconium, 98+%	 M= Zr, Si R= Me, H R'= Cl, Me
0220600	84365-55-9	Indenyltitanium trichloride, 99%	
<b>Imido derivatives</b>			
0410700 new 0731150 new 0411100 new 0731350 new	1009837-09-5 Not available Not available Not available	(t-Butylimido)tris(t-butoxy)niobium, 98% (t-Butylimido)tris(t-butoxy)tantalum, 98% (t-Butylimido)tris(i-propoxy)niobium, 98% (i-Propylimido)tris(t-butoxy)tantalum, 97%	 M = Ta, Nb R = t-Bu, i-Pr R' = t-Bu, i-Pr
0410430 new 0410420 new 0731400 new 0410470 new 0733250 new 0410460 new	210363-27-2 69039-12-9 69039-11-8 864150-47-0 511292-99-2 210363-26-1	(t-Butylimido)tris(diethylamino)niobium, 98% (t-Butylimido)tris(dimethylamino)niobium, 98% (t-Butylimido)tris(dimethylamino)tantalum, 98% (t-Butylimido)tris(methylethylamino)niobium, 98% (t-Butylimido)tris(methylethylamino)tantalum, 99% (i-Propylimido)tris(diethylamino)niobium, 98%	 M = Nb, Ta R = t-Bu, i-Pr R', R'' = Et, Me
<b>Dialkylamino derivatives</b>			
0730050 0720750 0220650 0401300 0320800 new	19824-59-0 19824-55-6 4419-47-0 13801-49-5 7344-40-3	Pentakis(dimethylamino)tantalum (V), 98% Tetrakis(diethylamino)hafnium, 99% Tetrakis(diethylamino)titanium, 99% Tetrakis(diethylamino)zirconium, 99% Tetrakis(dimethylamino)germane, 99%	 M= Ta, Hf, Ti, Zr, Si, SiH, Ga, Sn, Ge, Sb n= 3, 4, 5 R= Me, Et R'=Me, Et

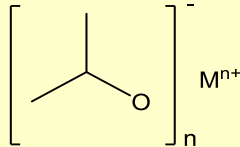
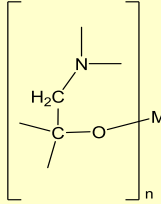
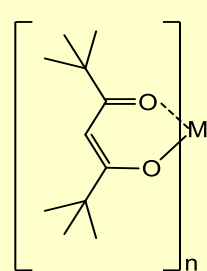
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Dialkylamino derivatives</b>			
0720600	19962-11-9	Tetrakis(dimethylamino)hafnium, 99%	 $M \left( \begin{array}{c} R' \\   \\ N \\   \\ R \end{array} \right)_n$ <p>M= Ta, Hf, Ti, Zr, Si, SiH, Ga, Sn, Ge, Sb n= 3, 4, 5 R= Me, Et R'=Me, Et</p>
0141600	1624-01-7	Tetrakis(dimethylamino)silane, 99%	
0502100	1066-77-9	Tetrakis(dimethylamino)stannane, 97%	
0221200	3275-24-9	Tetrakis(dimethylamino)titanium, 99%	
0400950	19756-04-8	Tetrakis(dimethylamino)zirconium, 99%	
0721050	352535-01-4	Tetrakis(ethylmethylamino)hafnium, 99%	
0221450	308103-54-0	Tetrakis(ethylmethylamino)titanium, 99%	
0401600	175923-04-3	Tetrakis(ethylmethylamino)zirconium, 99%	
0310100	180335-73-3	Tris(dimethylamino)gallium, 98%	
0142350	15112-89-7	Tris(dimethylamino)silane, 99+%	
0510200 <small>new</small>	7289-92-1	Tris(dimethylamino)stibine, 99%	
0221900 <small>new</small>	16530-80-6	Bis(i-propoxy)bis(dimethylamino)titanium, 98%	
0221850 <small>new</small>	16753-26-7	Tris(i-propoxy)dimethylaminotitanium, 97%	
<b>Alkyl (Aryl) derivatives</b>			
0490900 <small>new</small>	Not available	(t-Butoxy)diethylindium, 98%	 $\begin{array}{c} R \\   \\ Me - O - R' \\   \\ R \end{array}$ <p>Me = In R = Et, Me R' = Et, i-Pr, t-Bu</p>
0490850 <small>new</small>	6917-65-3	(t-Butoxy)dimethylindium, 98%	
0490750 <small>new</small>	Not available	(i-Propoxy)dimethylindium, 98%	
0490950 <small>new</small>	54702-73-7	Ethoxydiethylindium, 98%	
0500550	6452-61-5	Di-n-butylindium, 90+%	 $\begin{array}{c} R' \\   \\ M \\ / \quad \backslash \\ R \quad R \end{array}$ <p>M= Ge, Sn R= Me, Et, n-Bu, Allyl, Vinyl, i-Pr, Cy R'= Me, Et, n-Bu, Allyl, Vinyl, i-Pr, Cy</p>
0320125 <small>new</small>	1793-91-5	Tetraallylgermane, 98%	
0500900	7393-43-3	Tetraallyltin, 95+%	
0320100	1067-42-1	Tetra-n-butylgermane, 98+%	
0502000	1449-55-4	Tetracyclohexyltin, 99%	
0320550	597-63-7	Tetraethylgermane, 99%	
0500700	597-64-8	Tetraethyltin, 99%	
0320150	865-52-1	Tetramethylgermane, 99%	
0500300	594-27-4	Tetramethyltin, 98%	
0501850	1112-56-7	Tetravinyltin, 98+%	
0500350	2949-42-0	Tetra-i-propyltin, 98+%	
0300100	1078-58-6	Diphenylzinc, 98%	
0500100	753-73-1	Dimethyltin dichloride, 95+%	 $\begin{array}{c} R \\   \\ X - Sn - R' \\   \\ R \end{array}$ <p>X = Cl, OH R= Me, Ph, R'= Me, Cl, Ph</p>
0500650	1135-99-5	Diphenyltin dichloride, 96%	
0500250	993-16-8	Methyltin trichloride, 98+%	
0501700	1124-19-2	Phenyltin trichloride, 98+%	
0500950	1066-45-1	Trimethyltin chloride, 98+%	
0500955	1066-45-1	Trimethyltin chloride, 98+% (1M solution in hexanes)	
0502200	1066-45-1	Trimethyltin chloride, 98+% (1M solution in methylene chloride)	
0501000	56-24-6	Trimethyltin hydroxide, 98%	

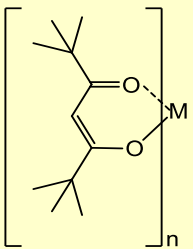
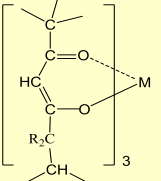
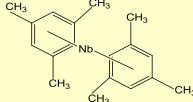
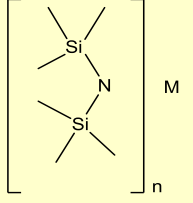
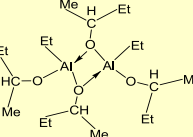
## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
Alkyl (Aryl) derivatives			
0500600 0501050	2273-45-2 2273-51-0	Dimethyltin oxide, 97+% Diphenyltin oxide, 98%	$\begin{array}{c} \text{O} \\    \\ \text{R}-\text{Sn}-\text{R} \end{array}$ <p>R = Me, Ph</p>
0110050	15523-24-7	Sodium tetraethylborate, 98+%	
0111600	79060-88-1	Sodium tetrakis[3,5-bis(trifluoromethyl)phenyl]borate, 98%	
0830450 <span style="color: red;">new</span>	183954-19-0	Tris[2-[(dimethylamino)methyl]phenyl-C,N]bismuth, 98%	
0142150	2750-44-9	Bis(trimethylsiloxy)dichlorosilane, 98+%	
0075800	18293-54-4	1-Trimethylsilyl-1,2,4-triazole, 98%	
0050500 0050250	5720-07-0 5720-05-8	4-Methoxyphenylboronic acid, 97+% p-Tolylboronic acid, 97+%	 <p>R = Me, OMe</p>
0050450	873-51-8	Phenylboron dichloride, 97+%	
0500150 0820050	661-69-8 3124-01-4	Hexamethylditin, 99% Hexaphenyldilead, 98+%	$\begin{array}{c} \text{R} \quad \text{R} \\   \quad   \\ \text{R}-\text{M}-\text{M}-\text{R} \\   \quad   \\ \text{R} \quad \text{R} \end{array}$ <p>M = Sn, Pb R = Me, Ph</p>
0340100	645-96-5	Phenylselenol, 97%	
0142400	1873-77-4	Tris(trimethylsilyl)silane, 97+%	
0750100	70197-13-6	Methyltrioxorhenium, 98%	

## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>Metal i-propoxides</b>			
0220400	20717-86-6	Chlorotitanium tri-i-propoxide, 97%	 <p>M= Hf, Er, Dy, Nd, Pr, Sm, Yb, Y, Ga, La, TiCl n= 3,4</p>
0660550	6742-68-3	Dysprosium (III) i-propoxide, 99% (99.9%-Dy) (REO)	
0680050	14814-07-4	Erbium (III) i-propoxide, 99% (99.9%-Er) (REO)	
0640600	14532-05-9	Gadolinium (III) i-propoxide, 99% (99.9%-Gd) (REO)	
0720450	2171-99-5	Hafnium (IV) i-propoxide mono-i-propylate, 99%	
0600450	19236-15-8	Neodymium (III) i-propoxide, 98% (99.9%-Nd) (REO)	
0570800	19446-52-7	Lanthanum (III) i-propoxide, 99% (99.9%-La) (REO)	
0590050	19236-14-7	Praseodymium (III) i-propoxide, 98% (99.9%-Pr) (REO)	
0620250	3504-40-3	Samarium (III) i-propoxide, 97+% (99.9%-Sm) (REO)	
0700100	6742-69-4	Ytterbium (III) i-propoxide, 99% (99.9%-Yb) (REO)	
0390450	2172-12-5	Yttrium (III) i-propoxide, 99% (99.9%-Y) (REO)	
<b>Aminoalkoxide complexes</b>			
0820400 <span style="color: red;">new</span>	Not available	Bis(1-dimethylamino-2-methyl-2-propanolate)lead (II), 98% Pb(dmamp)2	 <p>M = Pb, Lu, Yb n = 2, 3</p>
0710800 <span style="color: red;">new</span>	192228-18-5	Tris(1-dimethylamino-2-methyl-2-propanolate)lutetium (III), 95% (99.9%-Lu) (REO) Lu(dmamp)3	
0700750 <span style="color: red;">new</span>	Not available	Tris(1-dimethylamino-2-methyl-2-propanolate)ytterbium (III), 95% (99.9%-Yb) (REO) Yb(dmamp)3	
<b>beta-Diketonato complexes</b>			
0560100	17594-47-7	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium hydrate, 98% Ba(TMHD)2	 <p>M=Li, Ba, Mg, Ca, Co, Ce, Cu, Pb, Sr, Zn, Zr, Bi, Dy, Ni, Er, Eu, Gd, In, La, Lu, Mn, Nd, Pr, Tb, Hf, Tm, Sm, Yb, Y, OTi n= 1-4</p>
0200100	36818-89-0	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)calcium, 99% Ca(TMHD)2	
0290050	14040-05-2	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)copper (II), 99% Cu(TMHD)2	
0820100	21319-43-7	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)lead (II), 99% Pb(TMHD)2	
0120200	625832-70-4	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)magnesium dihydrate, 98+% Mg(TMHD)2	
0281500	41749-92-2	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)nickel (II), 98+% Ni(TMHD)2	
0220350	152248-67-4	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)oxotitanium (IV), 95+% OTi(TMHD)2	
0380050	199445-30-2	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)strontium hydrate, 98% Sr(TMHD)2	
0380510 <span style="color: red;">new</span>	Not available	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)strontium bis(phenanthroline) adduct, 98%	
0300050	14363-14-5	Bis(2,2,6,6-tetramethyl-3,5-heptanedionato)zinc (II), 99% Zn(TMHD)2	
0720700	63370-90-1	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)hafnium, 98% Hf(TMHD)4	
0401000	18865-74-2	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)zirconium (IV), 99% Zr(TMHD)4	
0030300	22441-13-0	2,2,6,6-Tetramethyl-3,5-heptanedionato lithium, 98+% Li(TMHD)	
0270650	14877-41-9	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)cobalt (III), 99% Co(TMHD)3	
0830150	142617-53-6	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)bismuth (III), 98+% Bi(TMHD)3	
0660050	15522-69-7	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)dysprosium (III), 99% (99.9%-Dy) (REO) Dy(TMHD)3	
0680250	35733-23-4	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)erbium (III), 99% (99.9%-Er) (REO) Er(TMHD)3	

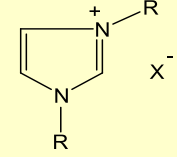
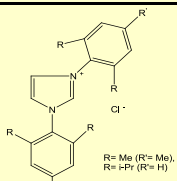
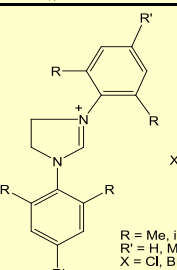
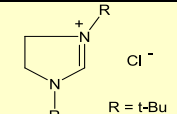
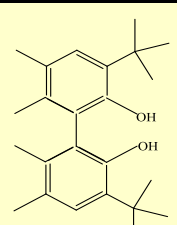
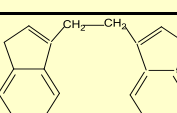
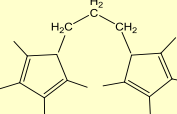
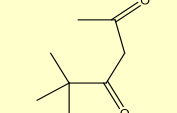
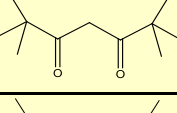
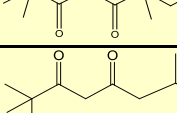
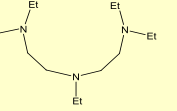

## Organometallic compounds

Cat. #	CAS #	Product Name	Structure
<b>beta-Diketonato complexes</b>			
0630450	15522-71-1	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)europium (III), 99% (99.9%-Eu) (REO) Eu(TMHD)3	 <p>M=Li, Ba, Mg, Ca, Co, Ce Cu, Pb, Sr, Zn, Zr, Bi, Dy, Ni, Er, Eu, Gd, In, La, Lu, Mn, Nd, Pr, Tb, Hf, Tm, Sm, Yb, Y, OTi n= 1-4</p>
0640200	14768-15-1	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)gadolinium (III), 99% (99.9%-Gd) (REO) Gd(TMHD)3	
0490700	34269-03-9	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)indium (III), 99% (99.9%-In) In(TMHD)3	
0570150	14319-13-2	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)lanthanum (III), 99% (99.9%-La) (REO) La(TMHD)3	
0710250	15492-45-2	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)lutetium (III), 99% Lu(TMHD)3	
0250300	14324-99-3	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)manganese (III), 99% Mn(TMHD)3	
0600200	15492-47-4	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)neodymium (III), 99% (99.9%-Nd) (REO) Nd(TMHD)3	
0590500	15492-48-5	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)praseodymium (III), 99% (99.9%-Pr) (REO) Pr(TMHD)3	
0620500	15492-50-9	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)samarium (III), 99% (99.9%-REO) Sm(TMHD)3	
0650350	15492-51-0	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)terbium (III), 99% (99.9%-Tb) (REO) Tb(TMHD)3	
0690300	15631-58-0	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)thulium (III), 99% (99.9%-Tm) (REO) Tm(TMHD)3	
0700050	15492-52-1	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)ytterbium (III), 99% (99.9%-Yb) (REO) Yb(TMHD)3	
0390050	15632-39-0	Tris(2,2,6,6-tetramethyl-3,5-heptanedionato)yttrium (III), 99% (99.9%-Y) (REO) Y(TMHD)3	
0580400	18960-54-8	Tetrakis(2,2,6,6-tetramethyl-3,5-heptanedionato)cerium (IV), 97+% (99.9% Ce) (REO) Ce(TMHD)4	
0210600 <span style="color: red;">new</span>	Not available	Tris(2,2,7-trimethyl-3,5-octanedionato)scandium (III), 99% (99.9%-Sc) (REO) Sc(3MOD)3	 <p>M = Lu, Sc, Yt R = H, Me</p>
0391050	165275-64-9	Tris(2,2,7-trimethyl-3,5-octanedionato)yttrium (III), 99% (99.9%-Y) (REO) Y(3MOD)3	
0710700 <span style="color: red;">new</span>	Not available	Tris(2,2,6,6-tetramethyl-3,5-octanedionato)lutetium (III), 98% (99.9%-Lu) (REO) Lu(4MOD)3	
<b>Miscellaneous compounds</b>			
0720400	2172-02-3	Hafnium (IV) t-butoxide, 99%	
0320850	992-91-6	Germanium (IV) methoxide, 98%	
0221500	31011-57-1	Tetrachlorobis(tetrahydrofuran)titanium (IV), 97+%	
0400900	21959-01-3	Tetrachlorobis(tetrahydrofuran)zirconium, 98+%	
0410250	68088-96-0	Bis(mesitylene)niobium, 98+%	
0380550 <span style="color: red;">new</span>	131297-96-6	Bis(bis(trimethylsilyl)amido)strontium, 98%	 <p>M = Er, Y, La, Yt, Sr n = 2-3</p>
0380650 <span style="color: red;">new</span>	133766-06-0	Bis(bis(trimethylsilyl)amido)strontium bis(tetrahydrofuran) adduct, 97%	
0680400	103457-72-3	Tris(N,N-bis(trimethylsilyl)amide)erbium (III), 98+% (99.9%-Er) (REO)	
0570350	175923-07-6	Tris(N,N-bis(trimethylsilyl)amide)lanthanum (III), 98+% (99.9%-La) (REO)	
0700850 <span style="color: red;">new</span>	41836-29-7	Tris(N,N-bis(trimethylsilyl)amide)ytterbium (III), 98+% (99.9%- Yb) (REO)	
0390100	41836-28-6	Tris(N,N-bis(trimethylsilyl)amide)yttrium (III), 98+% (99.9%- Y) (REO)	
0130850 <span style="color: red;">new</span>	Not available	Diethyl(tetra-2-butanolato)dialuminum, 97%	

## Organometallic compounds

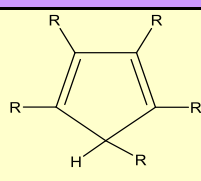
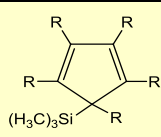
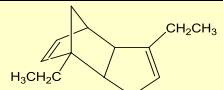
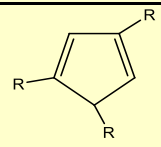
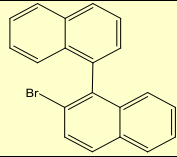
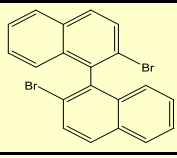
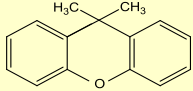
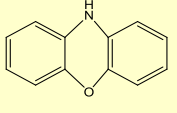
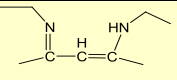
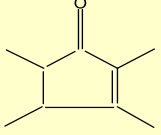
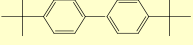
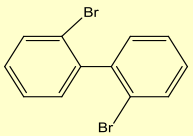
Cat. #	CAS #	Product Name	Structure
Miscellaneous compounds			
0830500 <span style="color: red; font-size: small;">new</span>	149101-11-1	Tris(1-methoxy-2-methyl-2-propoxy)bismuth, 97%	<p>The structure shows a central Bismuth (Bi) atom coordinated to three oxygen atoms of a chiral ligand. Each ligand is a 1-methoxy-2-methyl-2-propoxy group, where the Bi atom is bonded to the oxygen of the methoxy group, the oxygen of the propoxy group, and the carbon of the methyl group.</p>
0282350 <span style="color: red; font-size: small;">new</span>	Not available	Nickel bis(N,N'-diethyl-2,4-pentanediketimate), 97%	<p>The structure shows a central Nickel (Ni) atom coordinated to two nitrogen atoms of a bidentate ligand. Each ligand is an N,N'-diethyl-2,4-pentanediketimate, where the Ni atom is coordinated to the two nitrogen atoms of the ligand.</p>
0321450 <span style="color: red; font-size: small;">new</span>	Not available	Bis(dimethylamino)(N,N'-di-t-butylethylenediamino)germane, 98%	<p>The structure shows a central Germanium (Ge) atom coordinated to two nitrogen atoms of a bidentate ligand and two dimethylamino groups. Each ligand is an N,N'-di-t-butylethylenediamino group, where the Ge atom is coordinated to the two nitrogen atoms of the ligand.</p>
0321500 <span style="color: red; font-size: small;">new</span>	143970-60-9	N,N'-Di-t-butylethylenediaminogermylene, 98%	<p>The structure shows a central Germanium (Ge) atom coordinated to two nitrogen atoms of a bidentate ligand. Each ligand is an N,N'-di-t-butylethylenediamino group, where the Ge atom is coordinated to the two nitrogen atoms of the ligand.</p>

## Intermediates and Miscellaneous compounds

Cat. #	CAS #	Product Name	Structure
<b>Imidazolium derivatives</b>			
0073900	139143-09-2	1,3-Di-i-propylimidazolium chloride, 97+%	 <p style="text-align: center; margin-top: 10px;">R = i-Pr, t-Bu X = Cl, BF<sub>4</sub></p>
0074150	157197-54-1	1,3-Di-t-butylimidazolium chloride, 97%	
0077250	263163-17-3	1,3-Di-t-butylimidazolium tetrafluoroborate, 97%	
0070050	141556-45-8	1,3-Bis(2,4,6-trimethylphenyl)imidazolium chloride, 95+%	 <p style="text-align: center; margin-top: 5px;">R = Me (R' = Me), R = i-Pr (R' = H)</p>
0073550	250285-32-6	1,3-Bis(2,6-di-i-propylphenyl)imidazolium chloride, 97+%	
0070100	245679-18-9	1,3-Bis(2,4,6-trimethylphenyl)-4,5-dihydroimidazolium tetrafluoroborate, 97+%	 <p style="text-align: center; margin-top: 10px;">R = Me, i-Pr R' = H, Me X = Cl, BF<sub>4</sub></p>
0050300	282109-83-5	1,3-Bis(2,6-di-i-propylphenyl)-4,5-dihydroimidazolium tetrafluoroborate, 97+%	
0070060	173035-10-4	1,3-Bis(2,4,6-trimethylphenyl)-4,5-dihydroimidazolium chloride, 97%	
0077150	258278-25-0	1,3-Bis(2,6-di-i-propylphenyl)-4,5-dihydroimidazolium chloride, 97%	
0077400	612825-69-1	1,3-Di-t-butyl-4,5-dihydroimidazolium chloride, 97%	 <p style="text-align: center; margin-top: 5px;">R = t-Bu</p>
<b>Intermediates</b>			
0080400	101203-31-0	rac-5,5',6,6'-Tetramethyl-3,3'-di-t-butyl-1,1'-biphenyl-2,2'-diol, 99% BIPHEN H2	
0080450	329735-68-4	(R)-(+)-5,5',6,6'-Tetramethyl-3,3'-di-t-butyl-1,1'-biphenyl-2,2'-diol, 99% (R) BIPHEN H2	
0080500	205927-03-3	(S)-(-)-5,5',6,6'-Tetramethyl-3,3'-di-t-butyl-1,1'-biphenyl-2,2'-diol, 99% (S) BIPHEN H2	
0060100	18657-57-3	1,2-Bis(3-indenyl)ethane, 98%	
0069600 <span style="color: red;">new</span>	108344-77-0	1,3-Bis(tetramethylcyclopentadienyl)propane, 98%	
0080250	7307-04-2	2,2-Dimethyl-3,5-hexanedione, 97+%	
0080550	1118-71-4	2,2,6,6-Tetramethylheptane-3,5-dione, 98% TMHD	
0086850	78579-61-0	2,2,6,6-Tetramethyl-3,5-octanedione, 98% TMOD	
0089450	69725-37-7	2,2,7-Trimethyloctane-3,5-dione, 97%	
0079800 <span style="color: red;">new</span>	24426-21-9	1,1,4,7,7-Pentaethyldiethylenetriamine, 98% PEDETA	



## Intermediates and Miscellaneous compounds

Cat. #	CAS #	Product Name	Structure
Intermediates			
0060250	4045-44-7	Pentamethylcyclopentadiene, 98+%	 <p style="text-align: center; font-size: small;">R = Me, Ph, n-Pr</p>
0060300	2519-10-0	Pentaphenylcyclopentadiene, 99%	
0060350	64417-12-5	Tetramethyl(n-propyl)cyclopentadiene, 97%	
0140250	3559-74-8	Trimethylsilylcyclopentadiene, 97% (mixture of isomers)	 <p style="text-align: center; font-size: small;">R = H, Me</p>
0140300	25134-15-0	Trimethylsilylpentamethylcyclopentadiene, 98+%	
0064000	307496-25-9	Diethylidicyclopentadiene, mixture of isomers, 92+%	
0069500	125735-41-3	1,3,5-Tri-t-butylcyclopentadiene, 98%	 <p style="text-align: center; font-size: small;">R = t-Bu</p>
0069200	Not available	Tri-i-propylcyclopentadiene, 95% (mixture of isomers)	
0066150	207611-58-3	2-Bromo-1,1'-binaphthyl, 98+%	
0060200	74866-28-7	rac-2,2'-Dibromo-1,1'-binaphthyl, 96%	
0081150	19814-75-6	9,9-Dimethylxanthene, 98+%	
0073750	135-67-1	Phenoxazine, 97+%	
0079955 <span style="color: red; font-size: small;">new</span>	Not available	N,N'-Diethyl-2,4-pentanediketimine, 97%	
0086600	54458-61-6	2,3,4,5-Tetramethyl-2-cyclopentenone (mixture of cis- and trans- isomers), 97+%	
0067450	1625-91-8	4,4'-Di-t-butylbiphenyl, 99+%	
0350250	13029-09-9	2,2'-Dibromobiphenyl, 98+%	

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