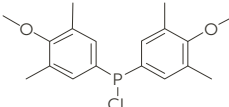
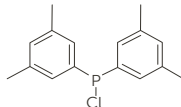
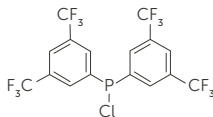
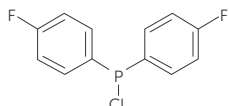
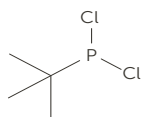
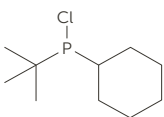
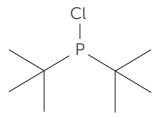
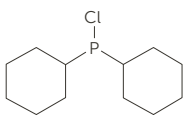


Chlorophosphines

Entegris' chlorophosphines are starting materials to phosphine and phosphinite ligands for optimizing asymmetric hydrogenations and various cross coupling reactions including C-C, C-N, and C-O bond formations. Optimization can occur through steric or electronic alterations of the specific ligand provided by the chlorophosphines.

Chemical synthesis with our chlorophosphines ensures consistent, reliable, and superior ligand performance including extraordinary turnover and high purity of the resulting products. Chlorophosphines are available from kilo to metric ton scale upon request and custom product inquiries are welcome.

1056	Bis(3,5-dimethyl-4-methoxyphenyl)chlorophosphine CAS#136802-85-2	Reagent used in the preparation of sterically- and electronically-modified ligands that can enhance the enantiomeric excess of various asymmetric transformations.	
763	Bis(3,5-dimethylphenyl)chlorophosphine CAS#74289-57-9	Useful reagent for the preparation of electron-rich, bulky phosphines that have created enantiomeric enhancements in the asymmetric hydrogenation of ketones and olefins by way of a 3,5-dialkyl meta effect.	
916	Bis(3,5-ditrifluoromethylphenyl)chlorophosphine CAS#142421-57-6	Useful reagent for the preparation of electron-rich, bulky phosphines that have created enantiomeric enhancements in the asymmetric hydrogenation of ketones and olefins by way of a 3,5-dialkyl meta effect.	
1753	Bis(4-fluorophenyl)chlorophosphine CAS#23039-97-6	Reagent used in the preparation of sterically- and electronically-modified ligands that can enhance the enantiomeric excess of various asymmetric transformations.	
199	tert-Butyldichlorophosphine CAS#25979-07-1	Reagent used in the preparation of electron-rich phosphines and phosphinites that are useful ligands in various cross coupling reactions.	
1947	tert-Butylcyclohexylchlorophosphine	Reagent used in the preparation of unsymmetrical, electron-rich phosphines and phosphinites.	
969	Di-tert-butylchlorophosphine CAS#13716-10-4	Reagent used in the preparation of electron-rich phosphines and phosphinites that are useful ligands in various cross coupling reactions.	
637	Dicyclohexylchlorophosphine CAS#16523-54-9	Useful reagent for the preparation of electron-rich, bulky phosphines that have been used in a variety of C-C, C-N, and C-O bond couplings reactions.	

FOR MORE INFORMATION

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