# Additional Ligands

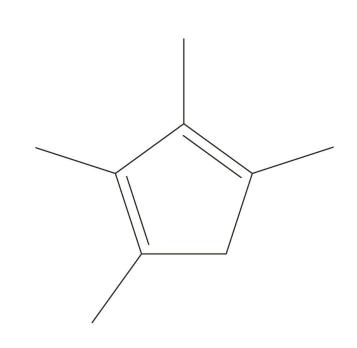
High-purity ligands for a range of chemical transformations and substrate compatibilities in pharmaceutical and industrial applications

As a leader in specialty chemicals and advanced materials for the microelectronics, life sciences, and other high-tech industries, we can accelerate your new product development efforts and manufacturing supply chain by providing critical materials at the appropriate scale, and within the communicated delivery schedule. Our portfolio of ligands enable a wide range of chemical reactions across pharmaceutical and industrial uses, and is tailored to your manufacturing requirements and specifications to meet your high-quality customized needs.

Our experienced R&D teams provide deep chemistry expertise in an innovative culture to deliver custom synthesis solutions that meet your proprietary development needs. With our extensive manufacturing capabilities, we can handle a range of projects from grams to metric ton quantities, through scale-up and full commercialization. We also provide chemical process development, piloting, and custom chemical manufacturing.

## **APPLICATIONS**

- Active pharmaceutical ingredients (APIs) for small molecule drug manufacturing
- Industrial polymer manufacturing



## FEATURES & BENEFITS

High purity	Enable reproducible and economical manufacturing with highest quality and purities for consistent yields and results
Air, moisture, and thermally stable	Allows for safe handling ease, cost-effective loading, and a more predictable performance outcome
Customer collaboration	Proactive and regular team communication and encouraged site visits enable beneficial idea exchange and enhance on-track progress
Advanced scientific expertise	Technical transfers, R&D, scale-up optimization, and continuous improvement are conducted by PhD chemist-led teams that are supported by world-class quality and analytical resources
ISO 9001 and 14001 certifications	The Entegris quality management system (QMS) certified by the ISO 9001 standard ensures provision of consistent quality products meeting customer and regulatory requirements
	The Entegris environmental management system (EMS) following the ISO 14001 standard assures a strategic and integrated approach to managing and improving environmental performance



## **SPECIFICATIONS**

Our products are made to strict specifications and our experienced R&D teams can partner with you to meet your proprietary development needs. With our manufacturing capabilities and resources, we can deliver on communicated timing requirements as well as high-quality customized solutions. <u>Contact us</u> with your specifications.

# **Product Portfolio**

Catalog #	CAS #	Product
9061	135072-61-6	1,2,3,4-tetramethylcyclopentadiene
9086	4045-44-7	1,2,3,4,5-pentamethylcyclopentadiene
9164-CHR	2175-90-8	Diphenylfulvene
9393	79042-55-0	Tetramethyl-1,3-cyclopentadiene
9637	-	1-butyl-3-methylcyclopentadiene
ALU2619	19141-82-3	Aluminum hexadecyloxide
BIS0303	14647-23-5	1,2-[Bis(diphenylphosphino)ethane]nickel(II) chloride
BIS0400	56183-63-2	Bis(diisopropylamino)chlorophosphine
BIS0459	864150-47-0	(S)-(-)-2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl-low purity S-binap-LP
BIS1825	261733-18-0	4,6-Bis(diphenylphosphino)-10H-phenoxazine
BIS2060	932710-63-9	Di-tert-butyl(4-dimethylaminophenyl)phosphine
BIS2631	71360-06-0	Bis(3,5-dimethylphenyl)phosphine 25% solution in acetic acid
BUT0199	25979-07-1	tert-butyldichlorophosphine dichloro-tert-butylphosphine
BUT0442	6002-34-2	tert-butyldiphenylphosphine
BUT1999	98015-45-3	2 -tert-butylimino-2-diethylamino-1,3-dimethyl-perhydro-1,3,2-diazaphosphorine
DIC0637	16523-54-9	Dicyclohexylchlorophosphine
DIE0962	1069-08-5	Diethylphosphoramidous dichloride (diethylamino)dichlorophosphine
DIP2069	829-85-6	Diphenylphosphine, 10% solution in THF
DIT2609	13716-10-4	Di-tert-butylchlorophosphine, 95%
PHE2399	638-21-1	Phenylphosphine, 10% solution in hexane

### FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit entegris.com and select the Contact Us link to find the customer service center nearest you.

#### TERMS AND CONDITIONS OF SALE

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