

Buchwald Ligands

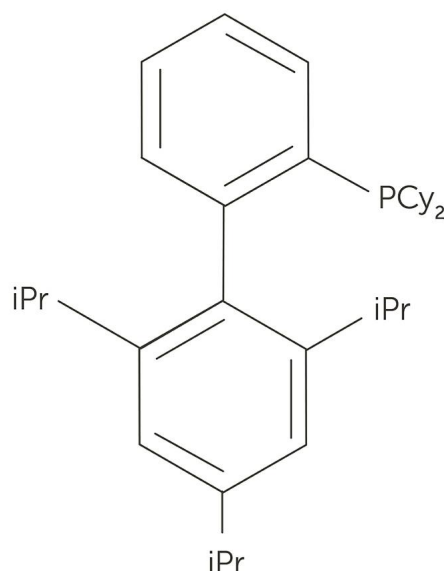
Excel in a broad range of palladium-catalyzed coupling reactions

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 communi-cated delivery schedule. Our portfolio of Buchwald ligands is tailored to your manufacturing requirements and specifica-tions 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
- Palladium-catalyzed coupling of aryl chlorides with amines
- OLEDs



FEATURES & BENEFITS


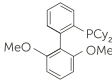

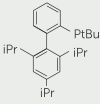
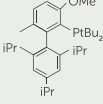
High purity ligands	Enables reproducible and economical manufacturing with highest quality and purities for consistent yields and results
Air, moisture, and thermally stable	Displays good solubility in common organic solvent
Customer collaboration	Proactive and regular team communication and encouraged 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	<p>The Entegris quality management system (QMS) certified by the ISO 9001 standard ensures provision of consistent quality products meeting customer and regulatory requirements</p> <p>The Entegris environmental management system (EMS) following the ISO 14001 standard assures a strategic and integrated approach to managing and improving environmental performance</p>

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. [Contact us](#) with your specifications.

Product Portfolio

Entegris is a licensed manufacturer of Buchwald ligands.

Catalog #	CAS #	Common Name	Product	Structure
DIC1605	213697-53-1	DavePhos	2-Dicyclohexylphosphino-2'-(N,N-dimethylamino)biphenyl	
DIC1935	564483-18-7	XPhos	2-Dicyclohexylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl	
DIC2051	657408-07-6	SPhos	2-Dicyclohexylphosphino-2',6'-dimethoxy-1,1'-biphenyl	
DIC2184	787618-22-8	RuPhos	2-Dicyclohexylphosphino-2',6'-diisopropoxybiphenyl	
DIT2351	1160861-53-9	tBuBrettPhos	2-(Di-tert-butylphosphino)-3,6-dimethoxy-2',4',6'-tri-i-propyl-1,1'-biphenyl	
DIC2365	1070663-78-3	BrettPhos	2-(Dicyclohexylphosphino)-3,6-dimethoxy-2',4',6'-tri-i-propyl-1,1'-biphenyl	
DIT1256	224311-51-7	JohnPhos	2-(Di-tert-butylphosphino)biphenyl	
DIT2119	564483-19-8	tBuXPhos	2-Di-tert-butylphosphino-2',4',6'-tri-i-propyl-1,1'-biphenyl	
DIT2343	857356-94-6	Me4-tBuXPhos	2-Di-tert-butylphosphino-3,4,5,6-tetramethyl-2',4',6'-tri-i-propylbiphenyl	
DIT2368	1262046-34-3	RockPhos	2-(Di-tert-butylphosphino)-3-methoxy-6-methyl-2',4',6'-tri-i-propyl-1,1'-biphenyl	

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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