



GMP Water-Soluble Phosphines

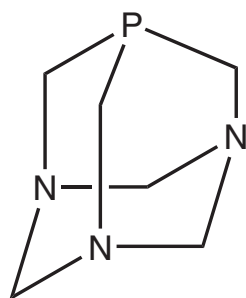
Innovative And Sustainable Ligands
For Palladium Catalysis

Water-soluble phosphines have emerged as valuable ligands in palladium catalysis for organic synthesis, offering several advantages that contribute to the efficiency and sustainability of various chemical transformations. These phosphines contain hydrophilic groups, such as sulfonate or ammonium functionalities, which impart water solubility to the ligand while maintaining their coordinating ability to palladium. This unique property enables reactions to be conducted in aqueous media, reducing the use of organic solvents and making processes more environmentally friendly. Furthermore, the use of water-soluble phosphines enhances the catalytic activity and selectivity of palladium catalysts, allowing for the synthesis of a wide range of complex organic molecules. Water-soluble phosphines enable the functionalization of biomolecules and the construction of complex organic structures under mild conditions, minimizing the risk of side reactions and enhancing the overall efficiency of the synthesis. This approach aligns with green chemistry principles, promoting more sustainable and eco-friendly processes.

GMP-produced reagents, manufactured in accordance with Good Manufacturing Practices (GMP) guidelines, hold immense value in pharmaceutical production. These reagents are subjected to rigorous quality control and testing protocols, ensuring their purity, consistency, and reliability. In the pharmaceutical industry, where precision, safety, and regulatory compliance are paramount, GMP-produced reagents play a critical role in the development and manufacturing of drugs. They reduce the risk of contamination, improve batch-to-batch consistency, and help meet regulatory requirements, ultimately enhancing the safety and efficacy of pharmaceutical products. By utilizing GMP-produced reagents, pharmaceutical companies can maintain the highest standards of quality and integrity throughout their production processes, from research and development to clinical trials and commercial manufacturing.

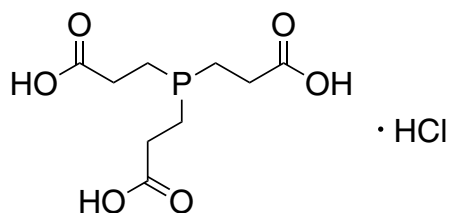
We proudly offer a range of GMP and non-GMP water soluble phosphines for use in R&D and Pharmaceutical production.

Phosphines with Ammonium Groups



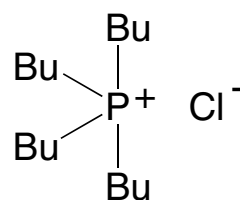
[15-5710](#), PTA

Phosphines with Carboxylate Groups



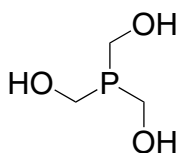
[15-7400](#), TCEP

Phosphines with Phosphonium and Phosphonate Groups

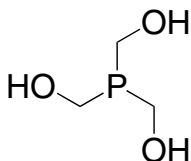


[15-1318](#)

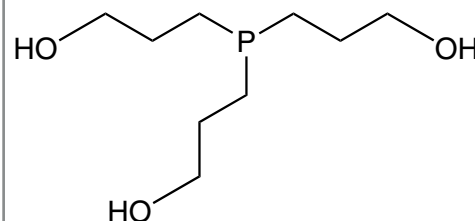
Phosphines with Hydroxyalkyl groups



[15-7900](#)

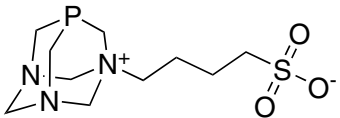
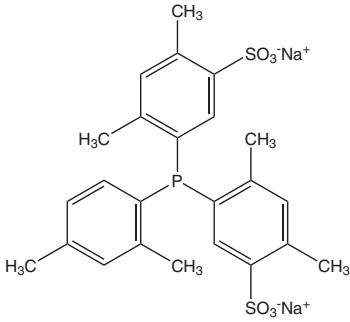
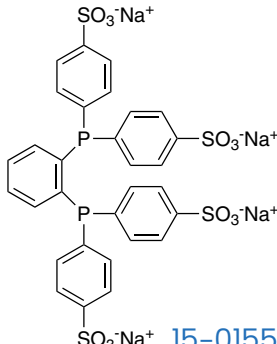
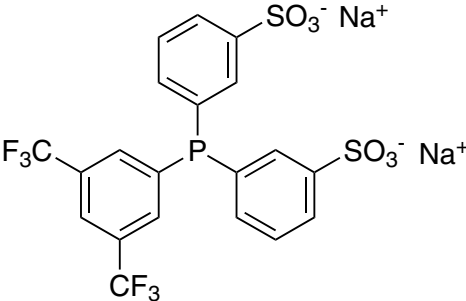
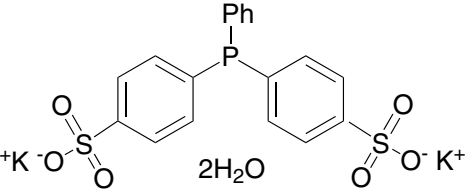
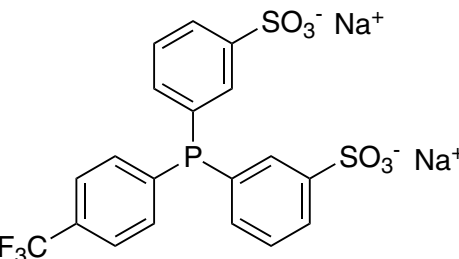
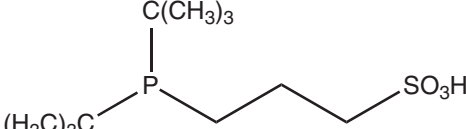
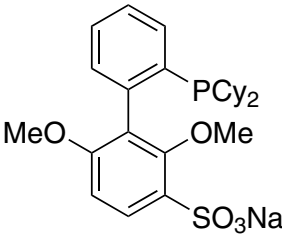
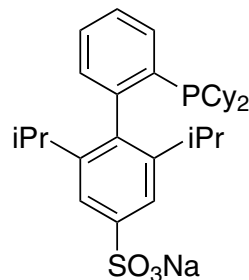
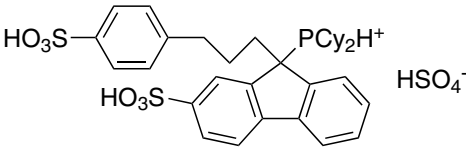
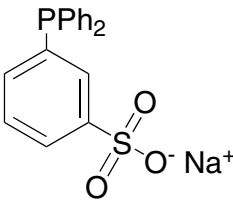
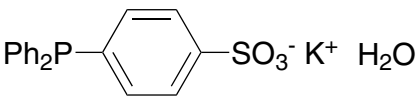
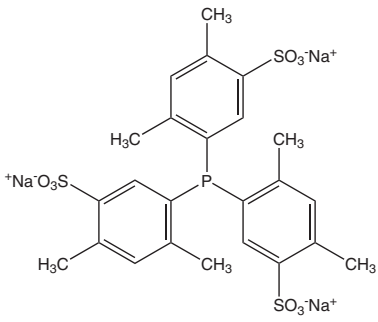
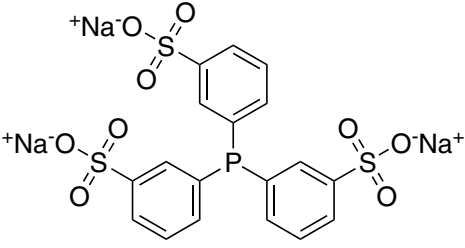
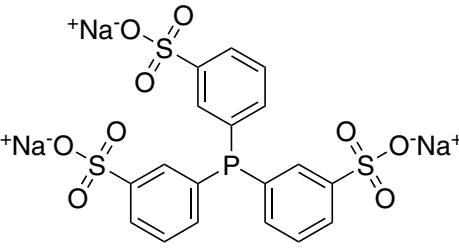


[15-7901](#)



[15-6375](#)

Phosphines with Sulfonated groups

 <p>15-5715</p>	 <p>15-0099, TXPDS</p>	 <p>15-0155, DMSO</p>
 <p>15-0570, DANPHOS</p>	 <p>15-0463</p>	 <p>15-0575, p-DANPHOS</p>
 <p>15-1067</p>	 <p>15-1142, water soluble SPhos</p>	 <p>15-1135, XPhos-SO₃Na</p>
 <p>15-1078, cataCXium® FSulf</p>	 <p>15-1827</p>	 <p>15-1825</p>
 <p>15-7860, TXPTS</p>	 <p>15-8013</p>	 <p>15-8007</p>



Headquartered in Bellevue, WA, Ascensus Specialties is a global leader in catalysts, ligands, building blocks, and specialty reagents. Our 60+ years of synthetic knowhow, allows us to bring additional value to our clients through our custom synthesis and GMP services. From world-class manufacturing facilities in Elma, WA, Evans City, PA, Newburyport, MA, and Cambridge, UK, Ascensus has a global reach that ensures our clients can consistently manufacture their products to the highest standards.

▶ THE ASCENSUS ADVANTAGE

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Customer Focused Service



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