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Catalog # 15-5210 (R)-(+)-2,2',6,6'-Tetramethoxy-4,4'-bis(di(3,5-xylyl)phosphino)-3,3'-bipyridine, min. 95% CTH-(R)-Xylyl-P-Phos

Note: Sold in collaboration with Johnson Matthey for research purposes only. US patent Application No US Patent 5 886 182, 1999 and patents arising therefrom.

Technical Notes

- 1. Chiral ligand for ruthenium- catalyzed asymmetric hydrogenation of aromatic ketones.
- 2. Chiral ligand for iridium-catalyzed asymmetric hydrogenation of quinolines.
- 3. Chiral ligand for copper- catalyzed asymmetric hydrosilylation of ketones.
- 4. Synthesis of new chiral 2-functionized-1,2,3,4-tetrahydroquinoline derivatives via asymmetric hydrogenation of substituted quinolines.
- 5. Rhodium-biphosphine-catalyzed asymmetric, intermolecular hydroheteroarylation of α-substituted acrylate derivatives.

References:

- 1. J. Organomet. Chem., 2006, 691, 2332.
- 2. Tetrahedron Asym., 2007, 18, 2625.
- 3. Chem. Eur. J., 2009, 15, 5888.
- 4. Tetrahedron, 2013, 69, 9322.
- 5. J. Am. Chem. Soc., 2015, 137, 508.