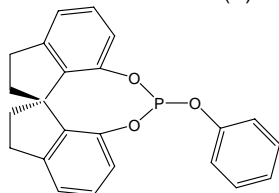


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Catalog # 15-5156 (11aR)-(+)-10,11,12,13-Tetrahydroindeno[7,1-de:1',7'-fg][1,3,2]dioxaphosphocin-5-phenoxy, min. 98% (R)-ShiP



Note: Spiro Monophosphite and Monophosphoramidite Ligand Kit component.

Technical Notes:

1. Ligand used in the enantioselective rhodium-catalyzed addition of arylboronic acids to aldehydes.
2. Ligand used in the palladium-catalyzed asymmetric hydrovinylation under mild conditions.
3. Ligand used in the highly regioselective, asymmetric copper-catalyzed allylic alkylation with dialkylzincs.

References:

1. *Org. Lett.*, **2006**, 8, 1479.
2. *Org. Lett.*, **2006**, 8, 2567.
3. *Tetrahedron: Asymmetry*, **2005**, 16, 705.
4. *Tetrahedron: Asymmetry*, **2003**, 14, 3867.