Strem Chemicals, Inc.

www.strem.com

 $Catalog \# 44-0094 \quad Chloro[(R)-(+)-2,2'-Bis(diphenylphosphino)-5,5',6,6',7,7',8,8'-octahydro-1,1'-binaphthyl] (p-cymene) \\ ruthenium(II) \\ r$ chloride [RuCl(p-cymene)((R)-H₈-binap)]Cl

Note: Manufactured under license of Takasago patent. Takasago BINAP Ru Cymene Catalyst Kit component.

Technical Notes:

- 1. Biaryl bisphosphine ligand. The H₈-BINAP ligand, as the ruthenium complex, catalyzes hydrogenation of unsaturated carboxylic acids to a higher ee than does BINAP. (Ref. 1,2)

 The ruthenium catalyzed hydrogenation of aryl propenoic acid to produce the drug Ibuprofen.

References:

- 1. J. Org. Chem., 1996, 61, 5510.
- 2. Topics Organometal. Chem. 2004, 6, 63 (review).