Strem Chemicals, Inc.

www.strem.com

Catalog #45-0754 (-)-2,3-Bis[(2R,5R)-2,5-dimethylphospholanyl]maleic anhydride (1,5-cyclooctadiene)rhodium(I) hexafluoroantimonate, min. 97% [catASium® M(R)RhSbF₆]

Note: Sold in collaboration with Evonik for research purposes only. Patent WO 03084971.

Technical Notes:

- Highly enantioselective catalyst for the hydrogenation of E or Z β-acylamido acrylates under mild conditions and low pressure.
- 2. Highly enantioselective for the hydrogenation of itaconates at room temperature.

i-Pr
$$CO_2Me$$
 $[Rh(COD)L]SbF_6$ i-Pr CO_2Me $AcHN$ CO_2Me $AcHN$ CO_2Me $AcHN$ CO_2Me $AcHN$ CO_2Me CO_2Me $AcHN$ CO_2Me $ACHN$

References:

- 1. J. Org. Chem., 2003, 68, 1701.
- 2. Adv. Synth. Catal., 2004, 346, 1263.