Strem Chemicals, Inc.

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Catalog # 59-1000 Tris[N,N,N,N-tetramethylguanidinium][tris(1S)-(1,1'-binaphalene)-2,2'-diolato]praseodymate Pr-HTMG-B

Technical Notes:

- 1. Catalyst used for an asymmetric Michael addition.
- 2. Catalyst used for an asymmetric Michael addition of 1,3-dicarbonyls to enones.
- 3. Catalyst used for the asymmetric aza-Michael addition of methylhydroxylamine to chalcone derivatives.
- 4. Catalyst used for the asymmetric direct aldol reaction of acetophenone and pivaldehyde.

Tech. Note (4)

Ref. (1)

KO(tBu) (8 mol%)

H₂O (16 mol%)

THF, -20°C, 20 h

Reference:

1. J. Am. Chem. Soc., **2014**, 136, 8034.