Strem Chemicals, Inc.

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Catalog # 57-1250

 $Tris[N,N,N,N-tetramethylguanidinium][tris(1S)-(1,1'-binaphalene)-2,2'-diolato]lanthanate \\ La-HTMG-B$

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.

Lan. catalyst (x mole%)
Lil (3x mole%)
Drierite 1 equiv

$$Ar^2 + CH_3ONH_2$$

THF, -20°C, 48 h

Tech. Note (3)
Ref. (1)

Reference:

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