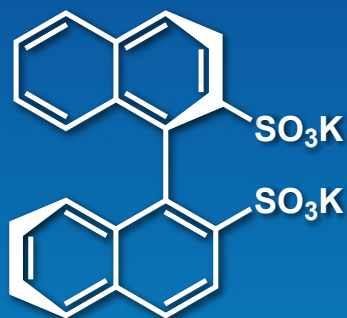


Sulfonic Acid Catalyst Precursors for Asymmetric Synthesis

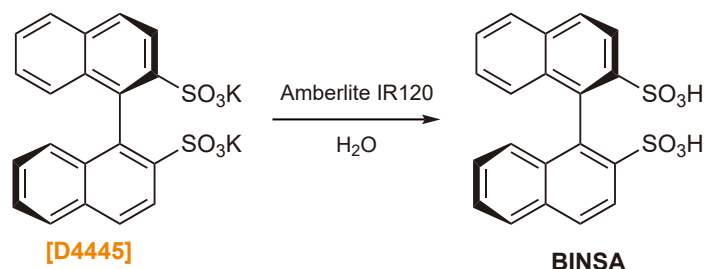


(*R*)-BINSA Dipotassium Salt
[D4445]

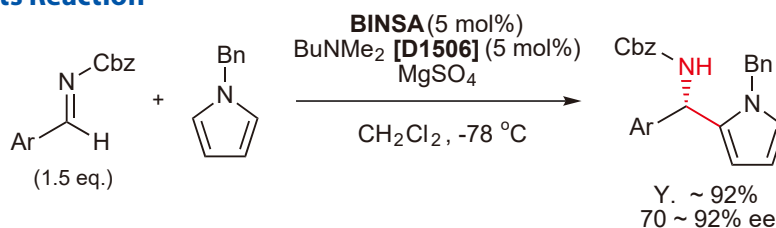
Advantages

- Form the Chiral Sulfonic Acid (BINSA) by Treatment of Ion Exchange Resin
- Applicable to Asymmetric Aza-Friedel-Crafts and Asymmetric Strecker-type Reaction

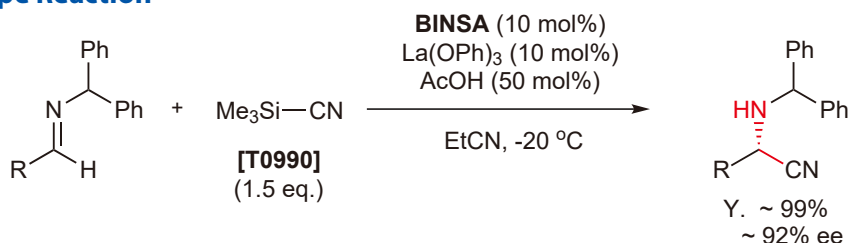
Applications



Asymmetric Aza-Friedel-Crafts Reaction¹⁾



Asymmetric Strecker-type Reaction²⁾



- References
- 1) M. Hatano, Y. Sugiura, M. Akakura, K. Ishihara, *Synlett* **2011**, 1247.
 - 2) M. Hatano, Y. Hattori, Y. Furuya, K. Ishihara, *Org. Lett.* **2009**, *11*, 2321.
 - 3) Review
 - a) M. Hatano, K. Ishihara, *Asian J. Org. Chem.* **2014**, *3*, 352.
 - b) M. Hatano, K. Nishikawa, K. Ishihara, *TCIMAIL* **2014**, number 160, 2.

Dipotassium (*R*)-1,1'-Binaphthyl-2,2'-disulfonate (= (*R*)-BINSA Dipotassium Salt)

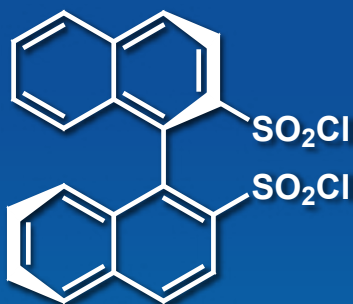
100mg [D4445]

Related Products

N-Butyldimethylamine
Trimethylsilyl Cyanide

25mL / 500mL [D1506]
25mL / 100mL / 500mL [T0990]

Sulfonic Acid Catalyst Precursors for Asymmetric Synthesis

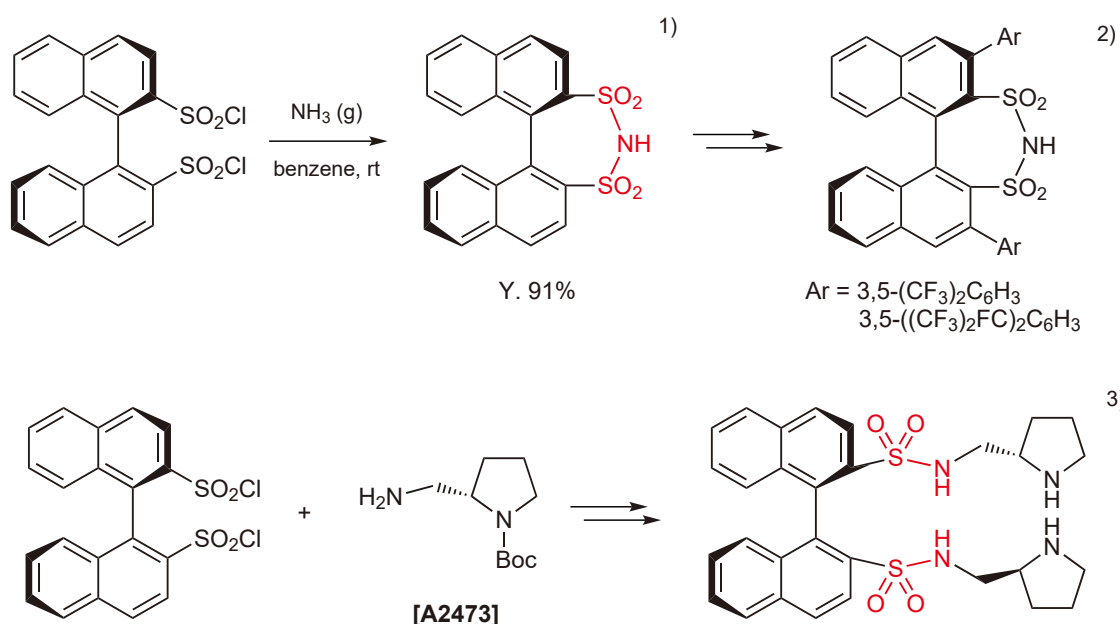


[B4187]

Advantages

- Usable for the Synthesis of Tailor-made Axially Chiral Sulfonamides
- Chiral Sulfonamides Can Be Used as Catalysts for Asymmetric Aldol Reactions

Applications



- References 1) M. Treskow, J. Neudörfel, R. Giernoth, *Eur. J. Org. Chem.* **2009**, 3693.
 2) P. García-García, F. Lay, P. García-García, C. Rabalakos, B. List, *Angew. Chem. Int. Ed.* **2009**, 48, 4363.
 3) S. Ban, D.-M. Du, H. Liu, W. Yang, *Eur. J. Org. Chem.* **2010**, 5160.

(R)-1,1'-Binaphthyl-2,2'-disulfonyl Dichloride

200mg / 1g [B4187]

Related Product

(S)-2-(Aminomethyl)-1-(tert-butoxycarbonyl)pyrrolidine

1g [A2473]

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