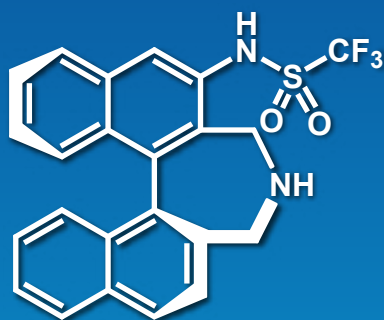


New



Chiral Amino Sulfonamide Catalyst for Asymmetric C-C Bond Formation



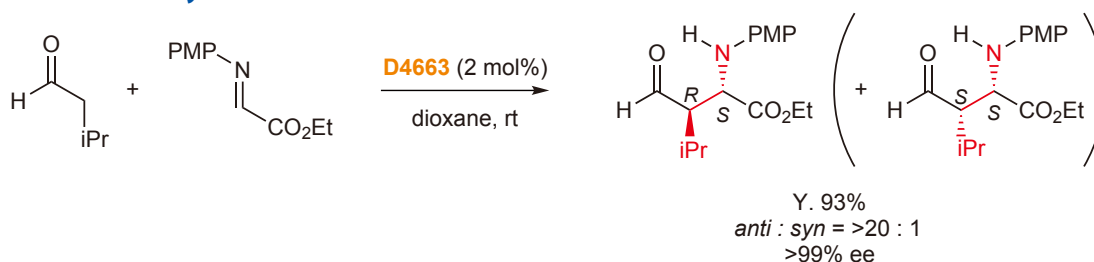
[D4663]

Advantages

- Catalyzes *anti*-Selective and Highly Enantioselective Asymmetric Mannich Reaction
- Effective to *syn*-Selective and Highly Enantioselective Asymmetric Cross Aldol Reactions

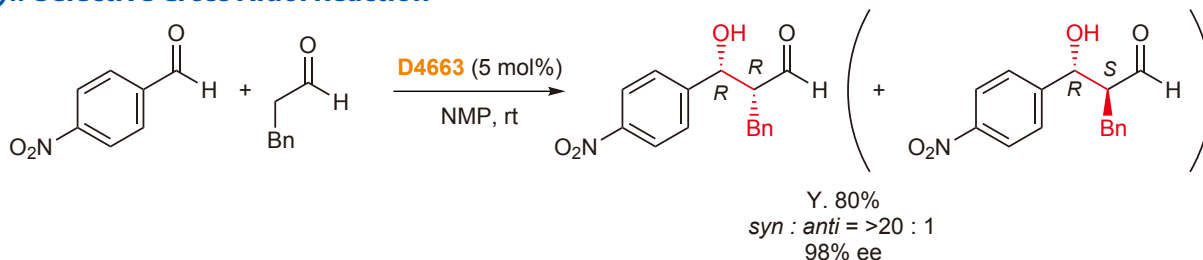
Applications

anti-Selective Asymmetric Mannich Reaction



T. Kano, Y. Yamaguchi, O. Tokuda, K. Maruoka, *J. Am. Chem. Soc.* **2005**, 127, 16408.

syn-Selective Cross Aldol Reaction



T. Kano, Y. Yamaguchi, Y. Tanaka, K. Maruoka, *Angew. Chem. Int. Ed.* **2007**, 46, 1738.

D4663 *N*-[(11*bS*)-4,5-Dihydro-3*H*-dinaphtho[2,1-*c*:1',2'-*e*]azepin-2-yl]trifluoromethanesulfonamide

20mg

This material was produced by collaboration with Prof. Keiji Maruoka, Kyoto University.

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