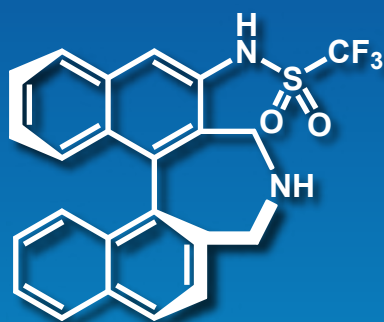


# Chiral Amino Sulfonamide Catalyst for Asymmetric C-C Bond Formation



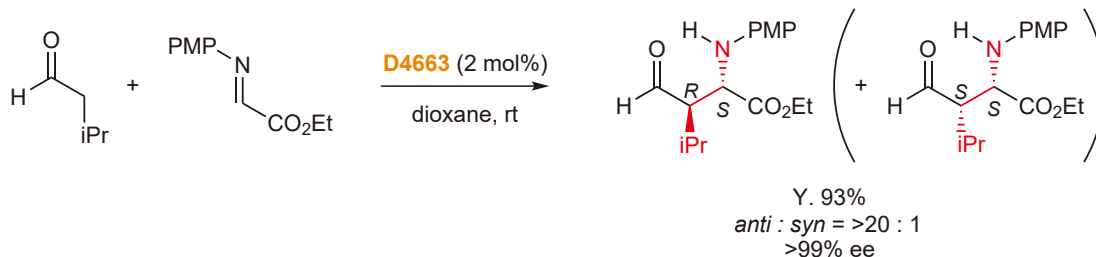
[D4663]

## Advantages

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

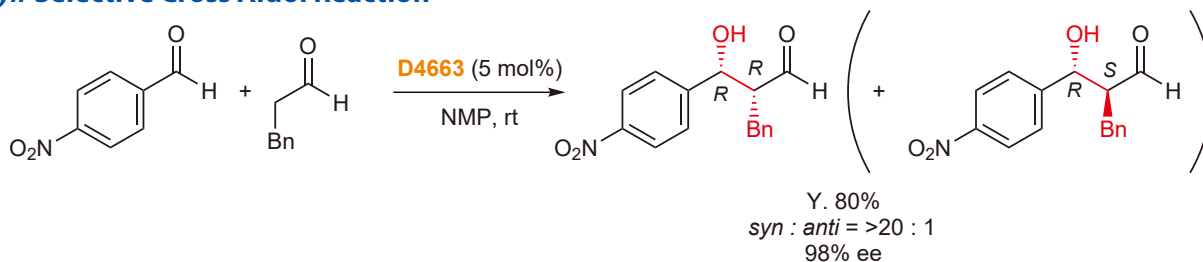
## Applications

### *anti*-Selective Asymmetric Mannich Reaction



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

### *syn*-Selective Cross Aldol Reaction



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

***N*-[(1*b**S*)-4,5-Dihydro-3*H*-dinaphtho[2,1-*c*:1',2'-*e*]azepin-2-yl]trifluoromethanesulfonamide**  
20mg [D4663]

This product was commercialized by collaboration with Prof. Keiji Maruoka.

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).



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