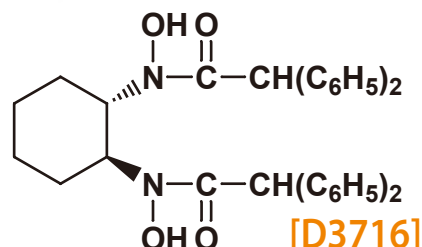
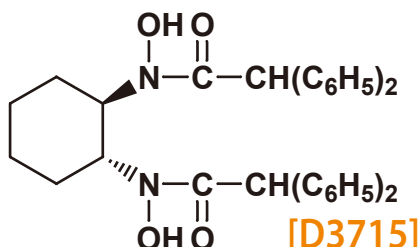


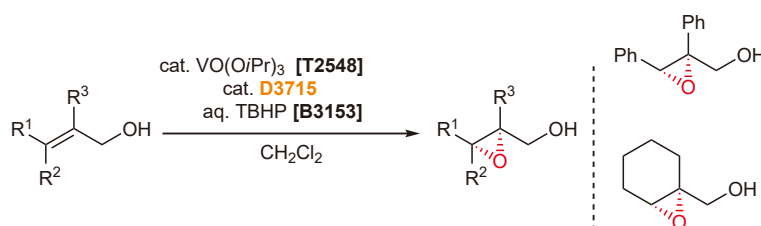
Chiral Bis-hydroxamic Acid Ligands for Asymmetric Epoxidations



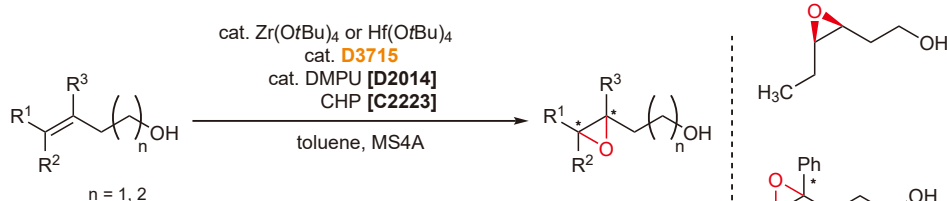
Advantages

- Useful ligand for asymmetric epoxidation
- High yield and ee in the asymmetric epoxidation of allyl, homoallyl, and bishomoallyl alcohols
- Water-free conditions are not required for the epoxidation of allyl alcohols.

Applications



W. Zhang, A. Basak, Y. Kosugi, Y. Hoshino, H. Yamamoto, *Angew. Chem. Int. Ed.* **2005**, *44*, 4389.



Z. Li, H. Yamamoto, *J. Am. Chem. Soc.* **2010**, *132*, 7878.

(1*R*,2*R*)-*N,N'*-Dihydroxy-*N,N'*-bis(diphenylacetyl)cyclohexane-1,2-diamine 50mg [D3715]
(1*S*,2*S*)-*N,N'*-Dihydroxy-*N,N'*-bis(diphenylacetyl)cyclohexane-1,2-diamine 50mg [D3716]

Related Products

Triisopropoxyvanadium(V) Oxide (= VO(OiPr)₃) 5g / 25g [T2548]
tert-Butyl Hydroperoxide (70% in Water) (= TBHP) 100g [B3153]
N,N'-Dimethylpropyleneurea (= DMPU) 25g / 100g / 500g [D2014]
Cumene Hydroperoxide (contains ca. 20% Aromatic Hydrocarbon) (= CHP) 100g [C2223]

These products were produced by collaboration with Prof. Hisashi Yamamoto, Chubu University.

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