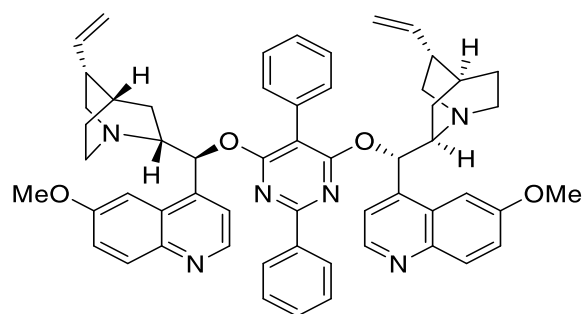
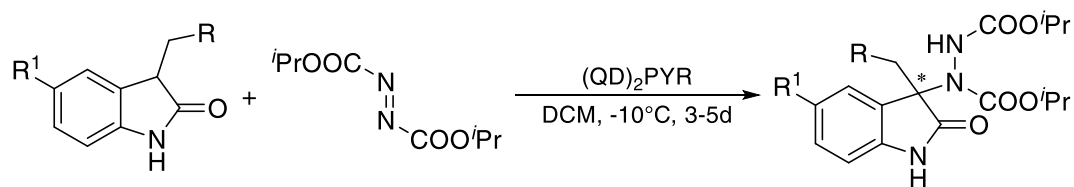


Catalog # 07-1428 (9S)-(9'S)-9,9'-[(2,5-diphenyl-4,6-pyrimidinediyl)bis(oxy)]bis[6'-methoxycinchonan] (QD)2PYR

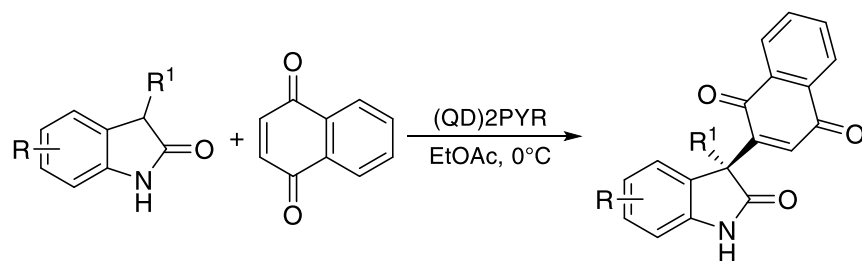


Technical Notes

1. Used in asymmetric construction of quaternary stereocenters by direct organocatalytic amination of 3-substituted oxindoles.
2. Catalyst for asymmetric Michael addition of unprotected 3-substituted oxindoles to 1,4-naphthoquinone.



Tech. Note (1); Ref. (1)



Tech. Note (2); Ref. (2)

References:

1. *Chem. Commun.*, **2009**, 6753.
2. *Beilstein J. Org. Chem.* **2012**, 8, 1360.