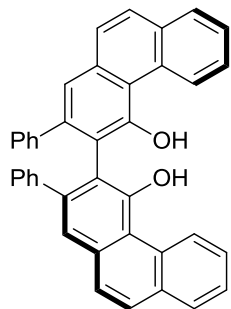
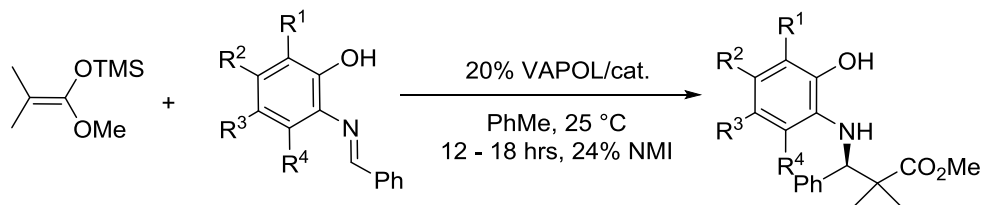


Catalog # 08-1704 (3R)-(-)-2,2'-Diphenyl-[3,3'-biphenanthrene]-4,4'-diol dichloromethane adduct, min. 98% (R)-VAPOL

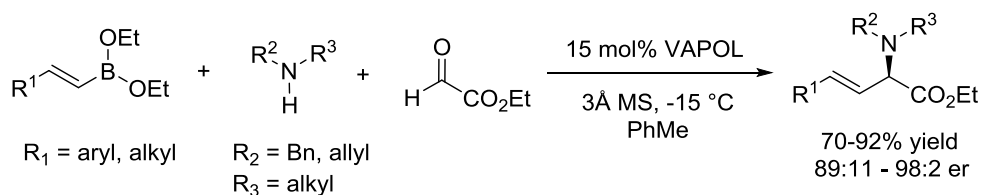


**Technical Notes:**

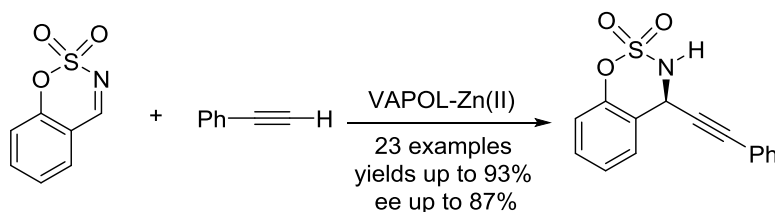
1. Development of a highly asymmetric and remarkably temperature-independent catalyst for the imino aldol reaction.
2. Asymmetric Petasis reactions catalyzed by chiral biphenols
3. Enantioselective alkynylation of benzo[e][1,2,3]-oxathiazine 2,2-dioxides catalysed by (R)-VAPOL-Zn complexes - synthesis of chiral propargylic cyclic sulfamidates.
4. Chiral boron complex-promoted asymmetric Diels-Alder cycloaddition and its application in natural product synthesis.
5. Enantioselective addition of Et<sub>2</sub>Zn to seven-membered cyclic imines catalyzed by a (R)-VAPOL-Zn(II) complex.
6. Catalyst-Controlled multicomponent - an aziridination of chiral aldehydes



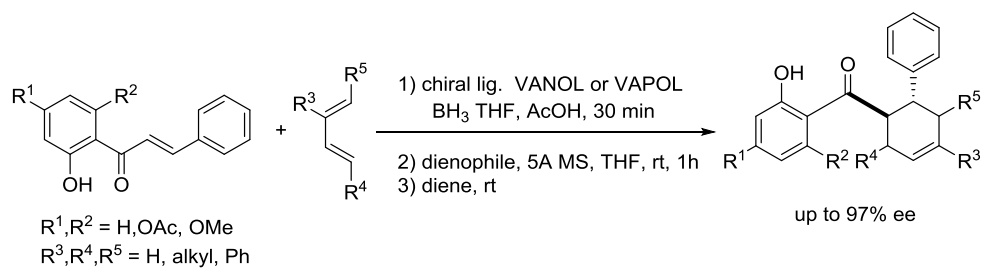
**Tech. Note (1)**  
**Ref. (1)**



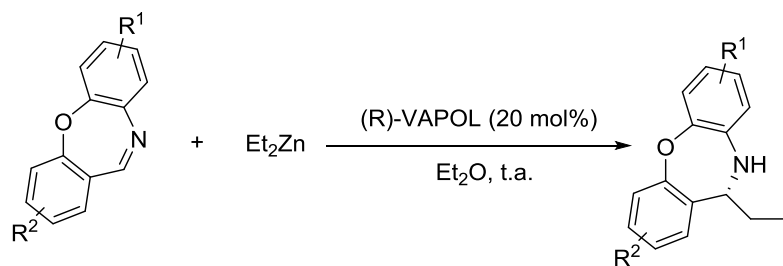
**Tech. Note (2)**  
**Ref. (2)**



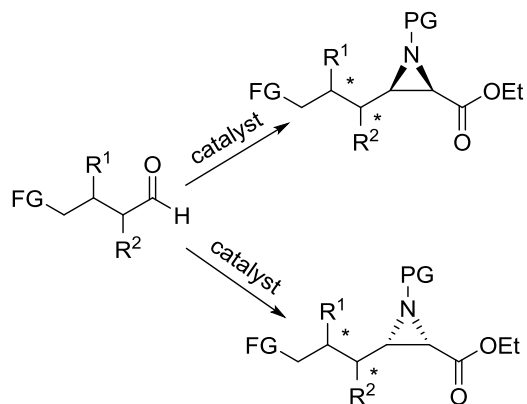
**Tech. Note (3)**  
**Ref. (3)**



Tech. Note (4)  
 Ref. (4)



Tech. Note (5)  
 Ref. (5)



Tech. Note (6)  
 Ref. (6)

References:

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2. *J. Am. Chem. Soc.*, **2008**, *130*, 6922.
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5. *Tetrahedron Lett.*, **2017**, *58*, 3358.
6. *Chem. Eur. J.*, **2017**, *23*, 2552.