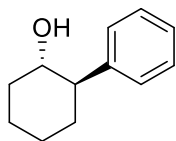
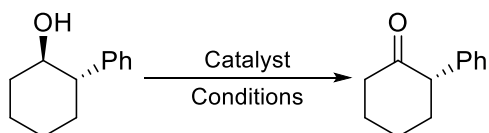


Catalog # 08-1270 (1S,2R)-2-Phenyl-1-cyclohexanol

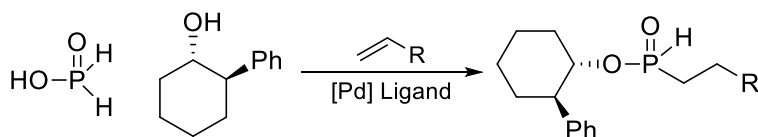


**Technical Notes**

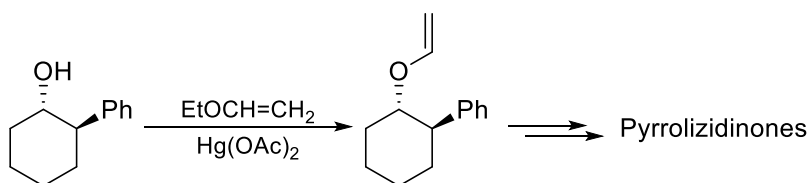
1. Used for synthesis of corresponding ketone via 2-iodoxybenzenesulfonic acid catalyzed selective oxidation.
2. Used for the asymmetric synthesis of *H*-phosphinate esters.
3. Used in total synthesis of natural products e.g. pyrrolizidinones.
4. Reagent for synthesis of diaryl phosphinates having cyclohexyloxy chiral auxiliaries used in Ir-catalyzed C–H amidation of arylphosphoryls.
5. Component of the pentacarboxycyclopentadiene Brønsted acid catalyst used for an enantioselective catalytic inverse-electron-demand Diels-Alder reaction of salicylaldehyde acetal-derived oxocarbenium ions and vinyl ethers to generate 2,4-dioxychromanes is described.



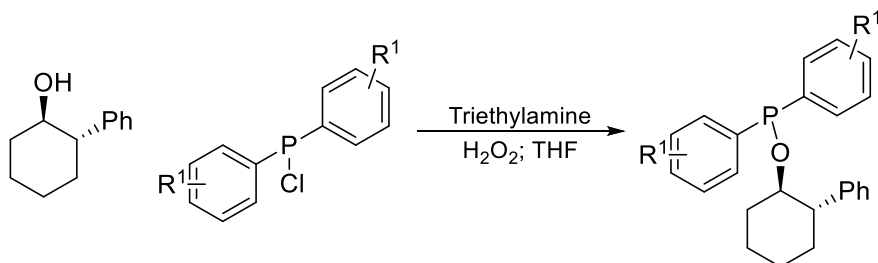
**Tech. Note (1); Ref. (1, 2)**



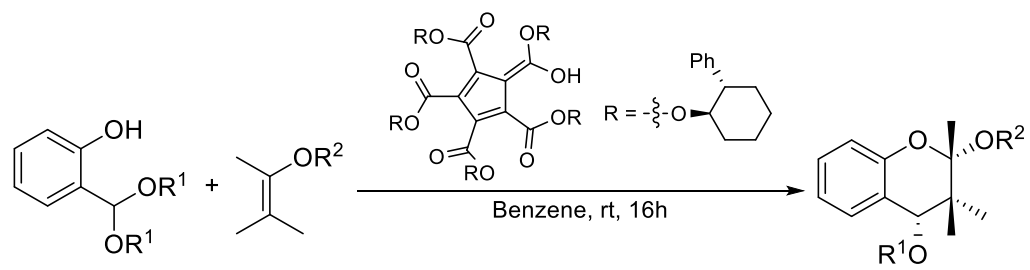
**Tech. Note (2); Ref. (3)**



**Tech. Note (3); Ref. (4)**



**Tech. Note (4); Ref. (5)**



**Tech. Note (5); Ref. (6)**

References:

1. *J. Am. Chem. Soc.* **2009**, *131*, 251.
2. *Org. Lett.*, **2009**, *11*, 1829.
3. *Org. Biomol. Chem.*, **2010**, *8*, 5541.
4. *J. Org. Chem.* **2011**, *76*, 7893.
5. *Chem. Eur. J.* **2014**, *20*, 12421.
6. *J. Am. Chem. Soc.* **2018**, *140*, 3523.