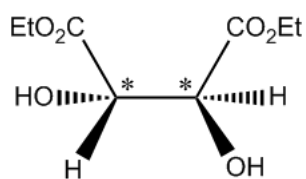


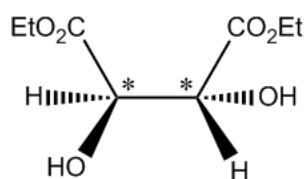
CONCEPT: SHARPLESS EPOXIDATION

- Enantioselective reactions are ones that generate _____ enantiomer in significantly higher yield than another.
- Converts **allyl alcohols** into enantioselective epoxides depending on the tartrate used (+) or (-).



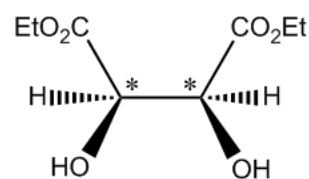
(S,S)-Diethyl Tartrate

(+)-DET



(R,R)-Diethyl Tartrate

(-)-DET



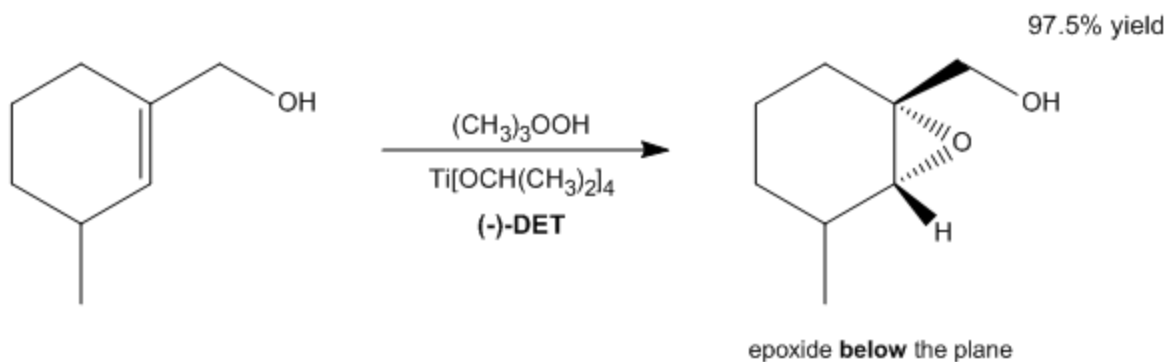
(R,S)-Diethyl Tartrate

Meso-DET

Attack:



General Reaction:



- Always draw alcohol on the _____ corner of the double bond. Then determine chirality using DET.

