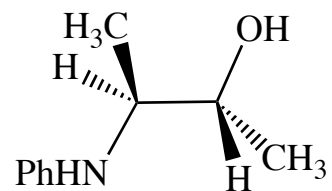
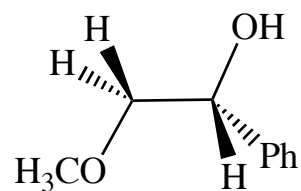
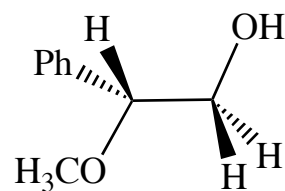
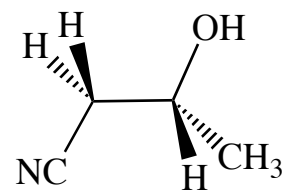
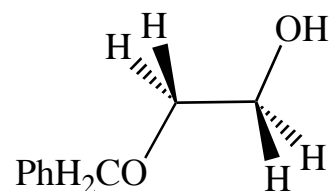


Exercise 64 - Epoxides

Question

Show how you would prepare the following products from the substitution reactions of epoxides. Be careful of stereochemistry and regioselectivity.



Question

The acid catalyzed opening of epoxides is said to involve a "carbocation-like" - but not a carbocation. Devise an experiment that would distinguish between the two possible mechanisms.