

REACTION OF HYDROGEN FLUORIDE WITH CYCLOOCTENE COMPOUNDS: AZIRIDINE AND EPOXIDE

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A comparative study of the reactivities of epoxide 1 and aziridine 2 towards fluorinating reagents is reported.

Neutral fluorinating reagent (Et_3N , 3HF) produces a **trans**-opening of the epoxide 1 but, under the same conditions, no reaction occurs with the corresponding aziridine 2.

A participation of the double bond takes place by reaction of 1 with Olah's reagent, but only addition of hydrogen fluoride to the double bond of 2 is observed under similar conditions.

