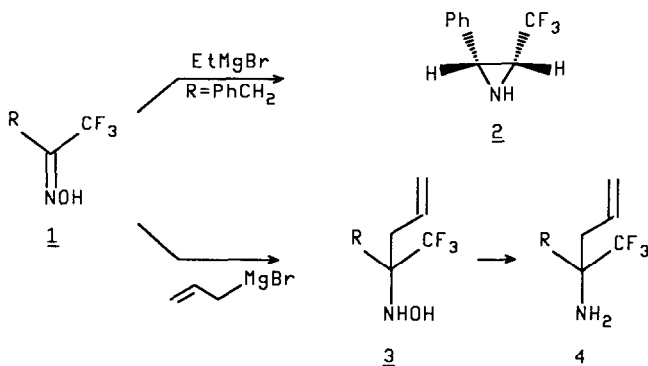


VERSATILE REACTIVITY OF TRIFLUOROMETHYLOXIME TOWARDS
GRIGNARD REAGENTS

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The reaction of ethyl Grignard reagent with benzyl trifluoromethyloxime (**1**, R = Ph-CH₂) gives the aziridine **2**. This reduction reaction is specific to trifluoromethyloxime [1].



The action of allylic Grignard reagent on different trifluoromethyloximes **1** leads to hydroxylamines **3** which can be easily reduced to homoallylic amines **4**.

This reaction is characteristic of trifluoromethyloxime ; homoallylic hydroxylamine cannot be obtained from the corresponding methyloxime.

1 K. Quinze, A. Laurent and P. Mison, J. Fluorine Chem., **44**, 233 (1989).