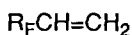
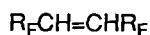


FLUOROALKYLETHYLENES AND THEIR EPOXIDES

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Fluoroalkylethylenes of types **1** and **2** are unresponsive to the usual reagents for epoxidation, but recent methods have made the epoxides and related halohydrins readily available. Use of the reagent X_2/nSO_3 , which readily attacks the double bond of both **1** and **2**, will be described in detail and compared to two other effective reagents. Halohydrins of **1** and **2** are readily obtained and converted to epoxides **3** and **4**, the latter of which is a previously unknown class.

**1****2****3****4**

Some chemistry of the intermediates and epoxides, including polymerization, will also be presented.