

## 2,2,2-Trifluoroethyl *p*-toluenesulfonate

CAS No. 433-06-7

2,2,2-Trifluoroethyl *p*-toluenesulfonate is used as an intermediate in the production of various chemicals.

### Proposed Specifications

Assay by Gas Chromatography 98.5% minimum

### Physical Properties

Chemical Formula:  $\text{CF}_3\text{CH}_2\text{OSO}_2\text{C}_6\text{H}_4\text{CH}_3$   
Mol. Wt.: 254.2  
Boiling Pt.: 88-91 °C @ 0.1 mm Hg  
Melting Pt.: 36-38 °C  
Flash Pt.: 112 °C

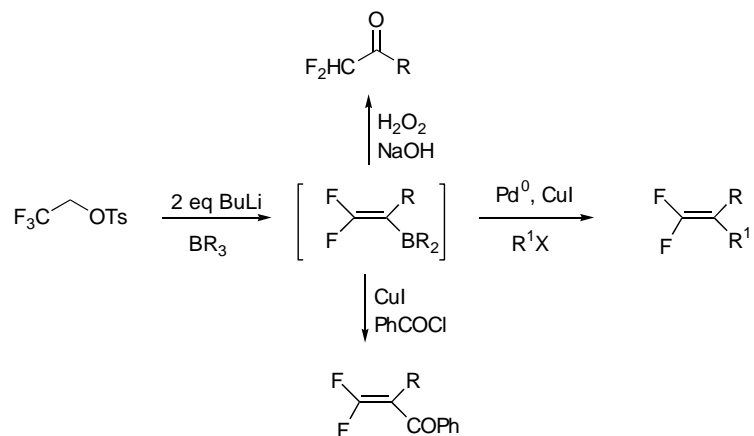
### Packaging

Contact Customer Service

### Typical chemistry and uses

2,2,2-Trifluoroethyl *p*-toluenesulfonate is used as a building block in organic synthesis. Some examples of its use are shown below.

Reference: Ichikawa, J. et al. Tetrahedron Lett, 1989, 1641



### Fluorinated Laser Dyes

US 5,111,472, 1992, United States of America as represented by U.S. Dept. of Energy

