



>>Entry Name: Benzoyl trifluoromethanesulfonate

Synonym(s): Benzoyl triflate

CAS Registry Number: 36967-85-8

PhCOOSO₂CF₃

Molecular Formula: C₈H₅F₃O₄S

Molecular Weight: 254.186

Accurate Mass: 253.986064

Percentage Composition: C 37.80%; H 1.98%; F 22.42%; O 25.18%; S 12.62%

Use/Importance: Mild reagent for benzylation of sterically-hindered hydroxyls

Physical Description: Oil

Boiling Point: Bp_{2.2} 92-94°

Density: d²⁵ 1.51

References:

Effenberger, F. *et al.*, *Angew. Chem., Int. Ed.*, 1972, **11**, 299; 300

Brown, L. *et al.*, *J.O.C.*, 1984, **49**, 3875, (*synth, use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1986, **12**, 44, (*use*)