



CAS Registry Number: 4151-50-2

Molecular Formula: C₁₀H₆F₁₇NO₂S

Molecular Weight: 527.202

Accurate Mass: 526.984775

Percentage Composition: C 22.78%; H 1.15%; F 61.26%; N 2.66%; O 6.07%; S 6.08%

Use/Importance: Organofluorine insecticide

Physical Description: Cryst.

Melting Point: Mp 96°

Boiling Point: Bp 196°

pKa Value: pK_a 9.5

Hazard & Toxicity: LD₅₀ (rat, orl) 543 mg/kg

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1450A, (nmr)

Burdon, J. *et al.*, *J.C.S.*, 1957, 2574-2578; 2640, (synth, derivs)

Blancou, H. *et al.*, *Chem. Comm.*, 1976, 885, (chloride)

Vander Meer, R.K. *et al.*, *J. Econ. Entomol.*, 1985, **78**, 1190, (sulfluramid, activity)

Benefice-Malonet, S. *et al.*, *J. Fluorine Chem.*, 1986, **31**, 319, (sulfluramid, synth, F-19 nmr)

Manning, R.O. *et al.*, *Drug Metab. Dispos.*, 1991, **19**, 205, (metab, sulfluramid)

Pesticide Manual, 9th edn., 1991, No. 11005

Fu, X. *et al.*, *Synth. Commun.*, 1991, **21**, 1273, (synth, ir, pmr, ms)