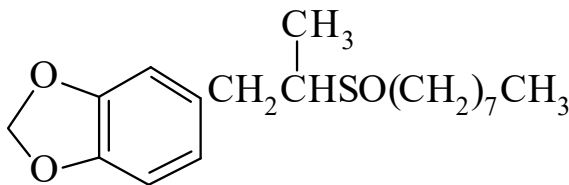




>>Entry Name: 1-Methyl-2-(3,4-methylenedioxyphenyl)ethyl octyl sulfoxide

Synonym(s): 5-[2-(Octylsulfinyl)propyl]-1,3-benzodioxole, 9Cl. 1,2-(Methylenedioxy)-4-[2-(octylsulfinyl)propyl]benzene. Sulfoxide. Isosafrole octyl sulfoxide. Sulfocide



CAS Registry Number: 120-62-7

Related CAS Registry Numbers(s): 6814-02-4 6814-03-5

Molecular Formula: C₁₈H₂₈O₃S

Molecular Weight: 324.483

Accurate Mass: 324.175915

Percentage Composition: C 66.63%; H 8.70%; O 14.79%; S 9.88%

Use/Importance: Pyrethroid synergist. Now superseded

Physical Description: Brown liq.

Solubility: Spar. sol. H₂O; misc. most org. solvs.

Other Data: n_D^{25} 1.528-1.532. Dec. on attempted dist.

Hazard & Toxicity: LD₅₀ (rat, orl) 2000 mg/kg. Exp. carcinogenic and teratogenic data

References:

U.S. Pat., 1946, 2 486 445; *CA*, **44**, 2170b

Casida, J.E. *et al.*, *Science (Washington, D.C.)*, 1966, **153**, 1130, (*metab, isomers*)

Pesticide Manual, 6th edn., 1979, 485

Dangerous Prop. Ind. Mater. Rep., 1988, **8**, 73, (*rev, tox*)

Rao, K.R. *et al.*, *Org. Prep. Proced. Int.*, 1990, **22**, 632, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ISA000