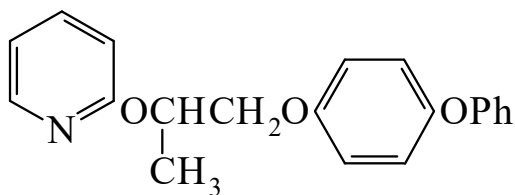




>>Entry Name: Pyriproxyfen, BSI

Synonym(s): 2-[1-Methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine, 9Cl. 4-Phenoxyphenyl 2-(2-pyridyloxy)propyl ether. S 31183



CAS Registry Number: 95737-68-1

Related CAS Registry Numbers(s): 95737-55-6 95737-56-7

Molecular Formula: C₂₀H₁₉NO₃

Molecular Weight: 321.375

Accurate Mass: 321.136494

Percentage Composition: C 74.75%; H 5.96%; N 4.36%; O 14.94%

>>Variant: (±)-form

CAS Registry Number: 133695-78-0

Molecular Formula: C₂₀H₁₉NO₃

Molecular Weight: 321.375

Accurate Mass: 321.136494

Percentage Composition: C 74.75%; H 5.96%; N 4.36%; O 14.94%

Use/Importance: Insecticide

Physical Description: Cryst.

Melting Point: Mp 45-47°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

U.K. Pat., 1984, 2 140 010; CA, **102**, 166769g, (synth, activity)

Boehm, M.F. et al., J. Labelled Compd. Radiopharm., 1988, **25**, 1007, (synth)

Nagai, K., Appl. Entomol. Zool., 1990, **25**, 199, (activity)

Pesticide Manual, 9th edn., 1991, No. 10435