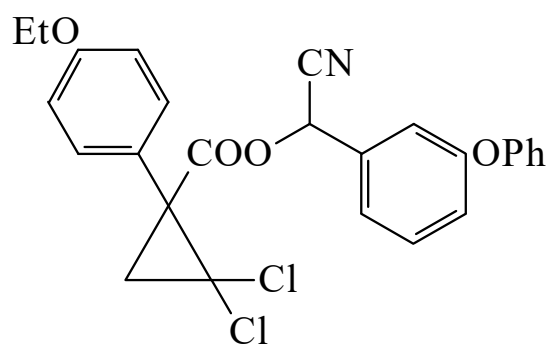




>>Entry Name: Cycloprothrin, BSI, ISO

Synonym(s): Cyano(3-phenoxyphenyl)methyl 2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate, 9Cl. α -Cyano-3-phenoxybenzyl 2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate. Cyclosal. GH-414. NK-8116



CAS Registry Number: 63935-38-6

Related CAS Registry Numbers(s): 93973-73-0 93973-74-1

Molecular Formula: $C_{26}H_{21}Cl_2NO_4$

Molecular Weight: 482.362

Accurate Mass: 481.084763

Percentage Composition: C 64.74%; H 4.39%; Cl 14.70%; N 2.90%; O 13.27%

Use/Importance: Pyrethroid insecticide

Physical Description: Viscous liq.

Boiling Point: $Bp_{0.001}$ 140-145°

Other Data: No information on stereochemistry of coml. prod.

Hazard & Toxicity: LD_{50} (rat, orl) >5000 mg/kg. Occup. exposure to pyrethroids can cause paresthesia and respiratory irritation

References:

- Ger. Pat.*, 1977, 2 653 189; *CA*, **87**, 134658a, (*synth, activity*)
Holan, G. et al., Nature (London), 1978, **272**, 734, (*activity*)
Japan. Pat., 1984, 59 155 350; *CA*, **102**, 24873n, (*activity*)
Holan, G. et al., Spec. Publ. - R. Soc. Chem., 1985, **53**, 114, (*activity*)
Kirihara, S. et al., Jpn. Pestic. Inf., 1988, **53**, 22, (*props, tox, use*)
Pesticide Manual, 10th edn., 1994, No. 169