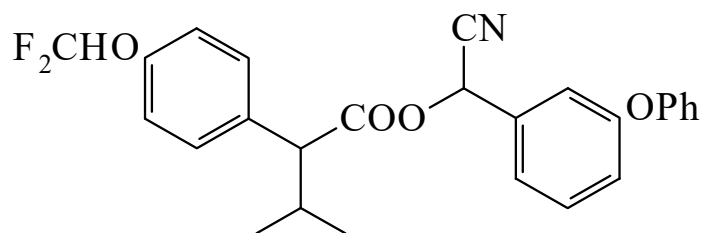




>>Entry Name: Flucythrinate, ANSI, BSI, ISO

Synonym(s): Cyano(3-phenoxyphenyl)methyl 4-(difluoromethoxy)- α -(1-methylethyl)benzeneacetate, 9CI. α -Cyano-3-phenoxybenzyl 2-(4-difluoromethoxyphenyl)-3-methylbutyrate. Cybolt. Cythrin



CAS Registry Number: 70124-77-5

Related CAS Registry Numbers(s): 77104-40-6 80845-23-4 80845-25-6 81601-15-2 81601-16-3 81601-17-4

Molecular Formula: $C_{26}H_{23}F_2NO_4$

Molecular Weight: 451.469

Accurate Mass: 451.159515

Percentage Composition: C 69.17%; H 5.13%; F 8.42%; N 3.10%; O 14.18%

Use/Importance: Pyrethroid insecticide

Other Data: Various stereoisomers prepd.

Hazard & Toxicity: LD₅₀ (rat, orl) 81 mg/kg

References:

U.S. Pat., 1981, 4 307 036; *CA*, **96**, 199337a, (*synth, activity*)

Horiba, M. *et al.*, *Agric. Biol. Chem.*, 1982, **46**, 3041, (*abs config, cd, uv*)

Wettstein, K., *Meded. Fac. Landbouwwet., Rijksuniv. Gent*, 1983, **48**, 331, (*rev*)

Pesticide Manual, 9th edn., 1991, No. 6440