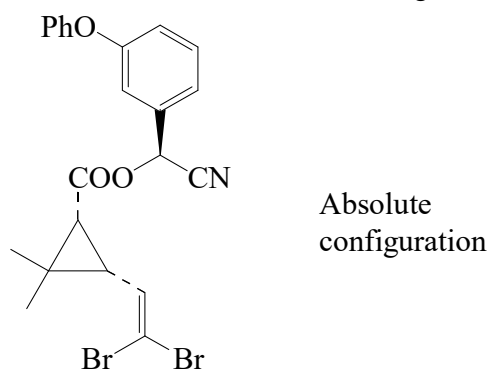




>>Entry Name: Deltamethrin, BAN, BSI, ISO

Synonym(s): 3-(2,2-Dibromoethenyl)-2,2-dimethylcyclopropanecarboxylic acid cyano(3-phenoxyphenyl)methyl ester, 9CI. α -Cyano-3-phenoxybenzyl 3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate. Decamethrin. Decis. K-Othrine. Butox. Butoflin. Cislin. Deltafran



CAS Registry Number: 52918-63-5

Related CAS Registry Numbers(s): 52820-00-5 55700-99-7 64363-96-8 64363-97-9 64364-01-8 64364-02-9 64364-03-0 80845-12-1 106454-65-3 120710-23-8 120710-24-9 120710-25-0

Molecular Formula: C₂₂H₁₉Br₂NO₃

Molecular Weight: 505.205

Accurate Mass: 503.013166

Percentage Composition: C 52.30%; H 3.79%; Br 31.63%; N 2.77%; O 9.50%

General Statement: Deltamethrin refers to (1*R*)-*cis*- α (*S*) isomer

Biological Use/Importance: Potent, photostable pyrethroid used as contact and stomach poison against a wide range of insects

Physical Description: Powder

Melting Point: Mp 100°

Optical Rotation: [α]_D +61 (c, 4 in C₆H₆)

Hazard & Toxicity: Severe skin irritant. Neurotoxic symptoms reported from occup. oral or dermal exposure. LD₅₀ (rat, orl) 80 mg/kg

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