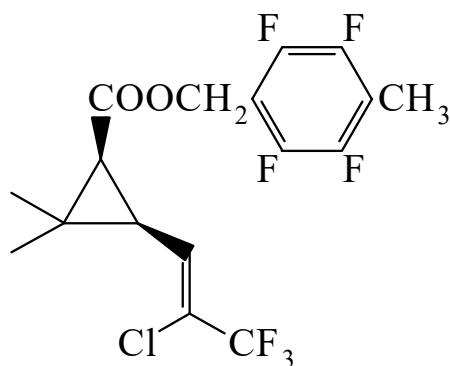




>>Entry Name: Tefluthrin, ANSI, BSI

Synonym(s): 3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid (2,3,5,6-tetrafluoro-4-methylphenyl)methyl ester, 9CI



Related CAS Registry Numbers(s): 76437-51-9 76437-52-0 79538-33-3 108102-64-3 108102-65-4 108102-66-5 108102-67-6 149343-55-5

Molecular Formula: C₁₇H₁₄ClF₇O₂

Molecular Weight: 418.738

Accurate Mass: 418.057053

Percentage Composition: C 48.76%; H 3.37%; Cl 8.47%; F 31.76%; O 7.64%

>>Variant: (1*RS*,3*RS*)-(Z)-form

Synonym(s): Force. Forza

CAS Registry Number: 79538-32-2

Molecular Formula: C₁₇H₁₄ClF₇O₂

Molecular Weight: 418.738

Accurate Mass: 418.057053

Percentage Composition: C 48.76%; H 3.37%; Cl 8.47%; F 31.76%; O 7.64%

Use/Importance: Soil-active pyrethroid insecticide

Physical Description: Solid

Melting Point: Mp 44.6°

Hazard & Toxicity: LD₅₀ (rat, orl) 30 mg/kg

References:

Japan. Pat., 1980, 80 111 445; CA, **94**, 83669q, (synth, use)

Eur. Pat., 1981, 31 199; CA, **95**, 186837t, (synth, use)

McDonald, E. et al., Br. Crop Prot. Conf. - Pests Dis., Proc., 1986, 199, (activity, isomers)

Pesticide Manual, 9th edn., 1991, No. 11237

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A929

Konradt, M. et al., Gesunde Pflanz., 1992, **44**, 64, (rev, props, tox)