

TECHNICAL DATA SHEET

Trade name : PRALLETHRIN

CHEMICAL IDENTIFICATION

Nomenclature

- ISO 1750 : Prallethrin (mixture of stereoisomers)
 IUPAC : (S)-2-methyl-4-oxo-3-prop-2-ynylcyclopent-2-enyl (1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
 CAS (9th Cl) : Cyclopropanecarboxyl acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-(1S)-2-methyl-4-oxo-3-(2-propinyl)-2-cyclopenten-1-yl ester, (1R)
 Others : d-cis-trans-chrysanthemates of d-prallethrolone

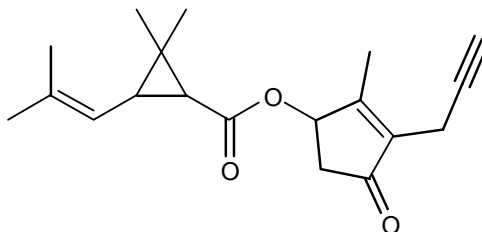
CAS number : 204244-85-9 (racemic prallethrin: 23031-36-9)

EC number : 245-387-9

Molecular formula : C₁₉H₂₄O₃

Molecular weight : 300.40

Structural formula :



(unspecified stereochemistry)

PRODUCT SPECIFICATIONS

Purity (by HRGC) : **93.0 % min**

Isomeric distribution

- d-chrysanthemates : > 96.0 %
 trans-chrysanthemates : > 80.0 %
 d- prallethronyl chrysanthematate : > 98.0 %

Acidity number : **5.0 mg KOH / g max**

NOTE: Endura reserves the right to make amendments to the data reported in this sheet either in compliance to any official body's updating or in agreement with Internal Company decisions. The reported information is, to the best of our knowledge, as accurate and complete as possible and is given in good faith but without warranty from our part. Any use for Registration purposes must be authorised by Endura in advance.

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ADDITIONAL INFORMATION

Appearance : Amber to brown transparent viscous liquid

Odour : Typical

Density : 1.03 g/cm³ at 20 °C

Vapour pressure : < 1.3 x 10⁻⁷ hPa at 23.1 °C

Solubility : Practically insoluble in water
Soluble in most common organic solvents

Partition coefficient (Log Pow) : 4.49 at 25 °C

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