

TECHNICAL DATA SHEET

Trade name : D-ALLETHRIN

CHEMICAL IDENTIFICATION

Nomenclature

ISO 1750 : Allethrin (mixture of stereoisomers)
 IUPAC : (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl(1R)-cis,trans-2,2-dimethyl-3-(2-methylprop-1-enyl)-cyclopropanecarboxylate
 CAS (9th Cl) : Cyclopropanecarboxylic acid,2,2-dimethyl-3-(2-methyl-1-propenyl)-2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester,(1R)
 Others : d,cis-trans chrysanthemates of d,l-allethrolone 50/50

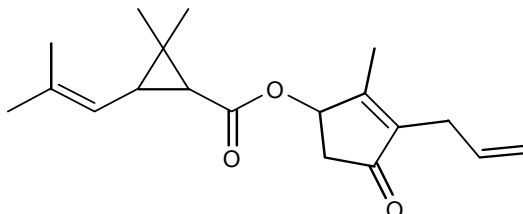
CAS number : 231937-89-6 (Allethrin: 584-79-2)

EC number : 209-542-4

Molecular formula : C₁₉H₂₆O₃

Molecular weight : 302.4

Structural formula :



(unspecified stereochemistry)

PRODUCT SPECIFICATIONS

Purity (by HRGC) : **92.0 % min**

Isomeric distribution

cis/trans-chrysanthemates ratio : 20 (±5)/80 (±5)
 d-chrysanthemates : > 95.0 %
 d-allethronyl chrysanthemates : 50.0 (±5) %
 l-allethronyl chrysanthemates : 50.0 (±5) %

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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Trade name : D-ALLETHRIN

ADDITIONAL INFORMATION

Appearance : Amber to brown transparent viscous liquid

Odour : Typical

Density : 1.005 – 1.015 g/cm³ at 20 °C

Vapour pressure : 1.6 x 10⁻⁶ hPa at 21 °C

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

**Partition coefficient
(Log Pow)** : 4.96 at 25°C

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