

TECHNICAL DATA SHEET

Trade name : D-TRANS ALLETHRIN 75/25

CHEMICAL IDENTIFICATION

Nomenclature

ISO 1750 : Allethrin (mixture of stereoisomers)
 IUPAC : (RS)-3-allyl-2-methyl-4-oxocyclopent-2-enyl (1R)-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-4oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester, (1R,3R)
 Others : d, trans chrysanthemates of d,l allethrolone 75/25
 Esbiothrin

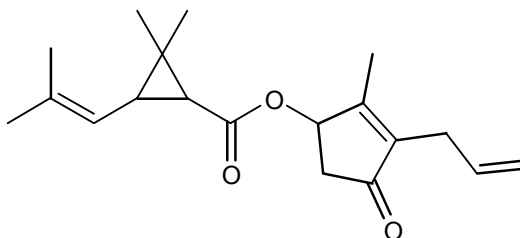
CAS number : 260359-57-7 (Allethrin: 584-79-2)

EC number : 209-542-4

Molecular formula : C₁₉H₂₆O₃

Molecular weight : 302.41

Structural formula :



(unspecified stereochemistry)

PRODUCT SPECIFICATIONS

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

Isomeric distribution

trans-chrysanthemates : > 98.0 %
 d-chrysanthemates : > 96.0 %
 d-allethronyl chrysanthemate : 75 (± 5) %
 l-allethronyl chrysanthemate : 25 (± 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-TRANS ALLETHRIN 75/25

ADDITIONAL INFORMATION

Appearance : Amber to brown transparent viscous liquid

Odour : Typical

Density : 1.01 g/cm³ at 20 °C

Vapour pressure : 4.4 x 10⁻⁴ hPa at 25 °C

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

Partition coefficient (Log Pow) : 4.68 at 25 °C

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