

TECHNICAL DATA SHEET

Trade name : D-TETRAMETHRIN

CHEMICAL IDENTIFICATION

Nomenclature

ISO 1750 : Tetramethrin (mixture of stereoisomers)
 IUPAC : Cyclohex-1-ene-1,2-dicarboximidomethyl (1*R*)-*cis*-trans-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate
 CAS (9th Cl) : Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl), (1,3,4,5,6,7-hexahydro-1,3-dioxo-2*H*-isoindol-2-yl) methyl ester, (1*R*)
 Others : d-TTM

CAS number : 548460-64-6 (Tetramethrin: 7696-12-0)

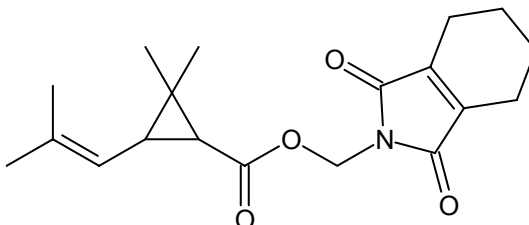
EC number : 231-711-6

Molecular formula : C₁₉H₂₅NO₄

Molecular weight : 331.41

Structural formula

(unspecified stereochemistry)



PRODUCT SPECIFICATIONS

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

Isomeric distribution

cis/trans-chrysanthemates ratio : 20(±5)/80(±5)

d-chrysanthemates : > 93.0 %

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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Trade name : D-TETRAMETHRIN

ADDITIONAL INFORMATION

Appearance : Amber to brown, viscous liquid to semisolid mass

Odour : Typical

Density : 1.11 at 25 °C

Vapour pressure : 3.2×10^{-9} hPa at 20 °C

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

Partition coefficient (Log Pow) : 4.67 at 20°C

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