

TECHNICAL DATA SHEET



Trade name : PRALLETHRIN

CHEMICAL IDENTIFICATION

Nomenclature

ISO 1750 : Prallethrin (mixture of stereoisomers)
IUPAC : (1S)-2-methyl-4-oxo-3-(prop-2-yn-1-yl)cyclopent-2-en-1-yl (1R)-cis-trans-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropane-1-carboxylate
CAS (9th CI) : 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

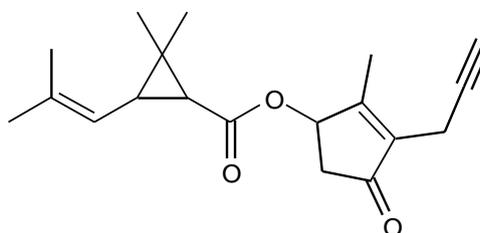
CAS number : 23031-36-9 (unresolved stereochemistry)
(d-cis,trans Prallethrin of d-isomer: 204244-85-9,
d-trans of d-isomer: 103065-19-6)

EC number : 245-387-9

Molecular formula : C₁₉H₂₄O₃

Molecular weight : 300.40

Structural formula :
(unspecified stereochemistry)



PRODUCT SPECIFICATIONS

Purity (ENDQC-91 method by HRGC) : **93.0 % w/w min.**

Isomeric distribution

trans-chrysanthemates : 80.0 % min.*

d-chrysanthemates : 96.0 % min.*

d-prallethronyl chrysanthemates : 98.0 % min.*

Acidity number (ENDQC-96 method) : 5.0 mg KOH/g max.

Appearance (ENDQC-94 method) : Yellow to brown transparent viscous liquid

* Relative % of isomers

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.

TECHNICAL DATA SHEET



Trade name : PRALLETHRIN

ADDITIONAL INFORMATION

Odour : Slightly aromatic

Density : 1.03 g/cm³ at 20 °C

Vapour pressure : 1.5×10^{-7} hPa at 25 °C

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

Partition coefficient (Log Pow) : >2.78C

*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.*