

Certificate of Analysis

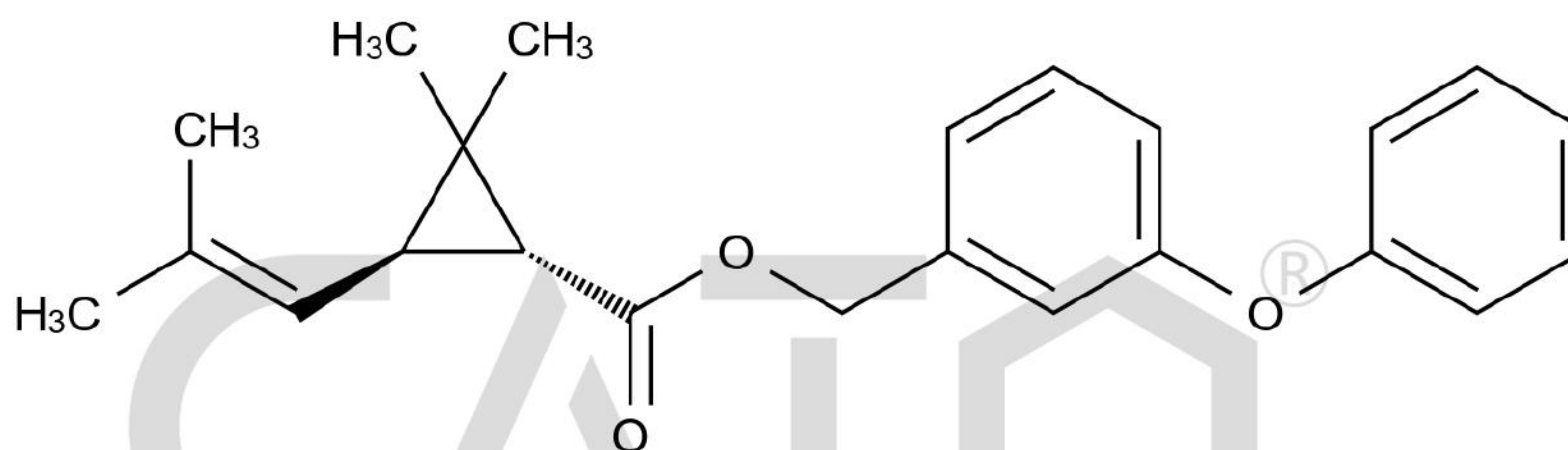
Reference Material & Standard

Product Name:	D-Trans-Phenothrin	Catalogue Number:	CCPD101236
Synonyms:	N/A	Lot Number:	0313-RH-0075
CAS Number:	26046-85-5	Expiry Date:	Mar 19, 2030
Molecular Formula:	C ₂₃ H ₂₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	350.45	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.561%
Loss on Drying	TGA	0.0176%
Assay		99.5%
Uncertainty		±0.2%

Comment:

- The product consists of 75.377% D-Trans-Phenothrin and 24.184% its isomer.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity GC (\%)} / 100\%$$
 Loss on Drying is considered as absolute effect, GC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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