



CERTIFICATE OF ANALYSIS

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1. Identification

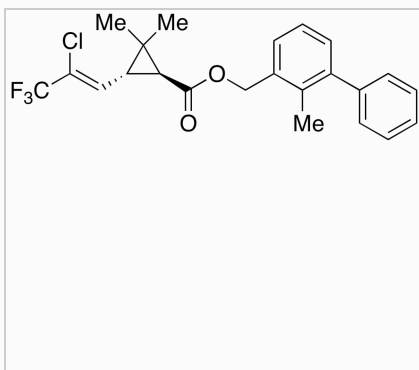
Catalogue Number: B383005

CAS Number: 83322-02-5

Product: trans-Bifenthrin

Synonym: trans-3-(2-Chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic Acid (2-methyl[1,1'-biphenyl]-3-yl)methyl Ester;

Structure:



Molecular Formula:

C₂₃H₂₂ClF₃O₂

Molecular weight:

422.87

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 4-LIU-73-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|-------------------|--|-----------------------------|
| Appearance | Colourless to Pale Yellow Oil to Solid | Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| F NMR | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 97.87% (210 nm) |
| MS | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | -0.2° (c = 0.5, Chloroform) |

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

| Reviewed By | Reviewed By | C of A Approved By | Test Date | Retest Date |
|-------------|---------------|--------------------|------------|-------------|
| Henry Tieu | Toni Rantanen | Chanell Chu | 12/22/2021 | 12/20/2028 |