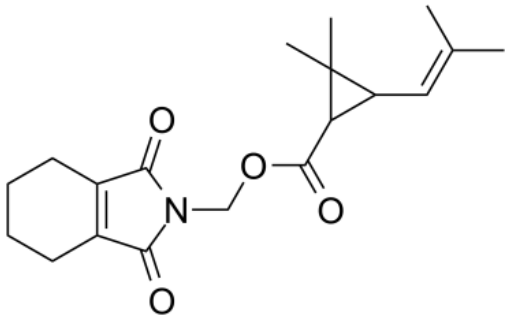
# Product Data Sheet

Product Name: Tetramethrin
Cat. No.: GC39684

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 7696-12-0 | | |
| SMILES | O=C(OCN(C1=O)C(C2=C1CCCC2)=O)C3C(C)(C3/C=C(C)\C)C | | |
| Formula | $C_{19}H_{25}NO_4$ | M.Wt | 331.41 |
| Solubility | DMSO : 25 mg/mL (75.44 mM; Need ultrasonic) | Storage | Store at -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |
| Structure | | | |




## Background

Tetramethrin is a synthetic pyrethroid insecticide for use on a broad spectrum of insect pests[1].

[1]. Pengfei Zhao,et al. Stereoselective Analysis of Chiral Pyrethroid Insecticides Tetramethrin and α-Cypermethrin in Fruits, Vegetables, and Cereals. J Agric Food Chem. 2019 Aug 21;67(33):9362-9370.

***Caution: Product has not been fully validated for medical applications. For research use only.***
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