

Catalog	Unit
TBI3103-5MG	5 mg
TBI3103-25MG	25 mg

Product Details

Formal Name: (S)- α -Cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate

Alternate Names: Decamethrin

Molecular Formula: C₂₂H₁₉Br₂NO₃

Formula Weight: 505.20

CAS Number: 52918-63-5

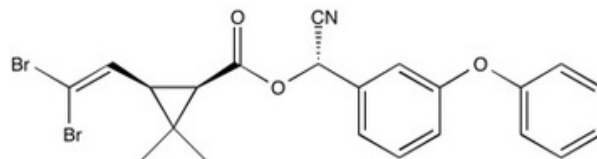
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml)

Storage: -20°C

Stability: \geq 1 year.



Applications

Calcineurin inhibitor; Displays neurotrophic activity

Functions

Deltamethrin is reported to be an inhibitor of calcineurin (PP2B), IC₅₀~100 pM but this activity has been disputed. Markedly enhances the expression of BDNF in cultured rat cortical neurons and displays neurotrophic effects. Produces antidepressant-like effects in mice. Blocks the spontaneous down-regulation of Nav1.8 sodium channels expressed in Xenopus oocytes.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.