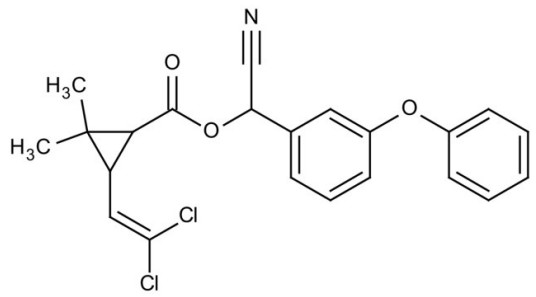
Cypermethrin

Calcineurin inhibitor

Synthetic type II pyrethroid. Potent calcineurin (protein phosphatase 2B) inhibitor IC_{50}~0.03 nM. May also have varied effects on ion channels. Serious doubts have been raised about the efficacy of this inhibitor.

Citations: 4 View Online »

Manuals, SDS & CofA View Online »


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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at room temperature. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Alphamethrine, Pestanal, (R,S)-α-Cyano-3-phenoxybenzyl(1RS)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate
Appearance	White to off-white solid.
CAS	52315-07-8
Couple Target	Serine/threonine-protein phosphatase
Couple Type	Inhibitor
Formula	$C_{22}H_{19}Cl_2NO_3$
MI	**14:** 2767
MW	416.3
Purity	≥96% (HPLC) (mixture of isomers:racemic and cis/trans)
RTECS	GZ1250000
Solubility	Soluble in ethanol (25mg/ml). Insoluble in water.

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