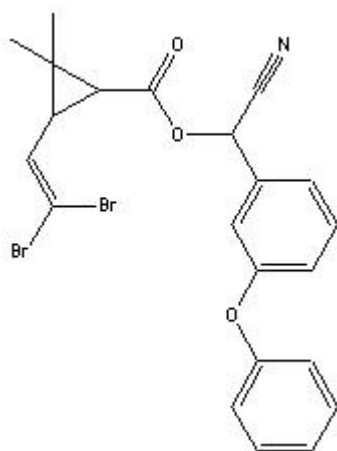


## TECHNICAL INFORMATION

Catalog Number: 158898

### Deltamethrin

#### Structure:



**Molecular Formula:** C<sub>22</sub>H<sub>19</sub>Br<sub>2</sub>NO<sub>3</sub>

**Formula Weight:** 505.2

**CAS #** 52918-63-5

**Synonym:** (S)-a-Cyano-3-phenoxybenzyl (1R)-cis-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate

**Solubility:** Soluble in ethanol (25 mg/ml) and DMSO (25 mg/ml). Store all solutions aliquoted at -20°C or below for approximately 3 months.

**Description:** Synthetic type II pyrethroid. Potent calcineurin (PP2B) inhibitor, IC<sub>50</sub> ~ 0.03 nM<sup>7</sup>. More recent study disputes its effectiveness as a calcineurin inhibitor<sup>8</sup>. May also have varied effects on ion channels<sup>9</sup>.

#### References:

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