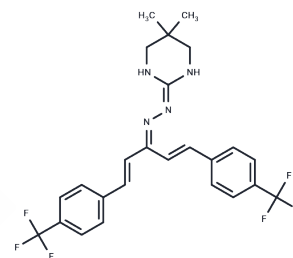


Hydramethylnon

Chemical Properties

CAS No. :	67485-29-4
Formula:	C ₂₅ H ₂₄ F ₆ N ₄
Molecular Weight:	494.48
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hydramethylnon (AC217300) is an insecticide primarily. Hydramethylnon is used for fire ants.
Targets(IC50)	Others, Mitochondrial Metabolism

Solubility Information

Solubility	DMSO: 65 mg/mL (131.45 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0223 mL	10.1116 mL	20.2233 mL
5 mM	0.4045 mL	2.0223 mL	4.0447 mL
10 mM	0.2022 mL	1.0112 mL	2.0223 mL
50 mM	0.0404 mL	0.2022 mL	0.4045 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Decio P, Silva-Zacarin EC, Bueno FC, Bueno OC. Toxicological and histopathological effects of hydramethylnon on *Atta sexdens rubropilosa* (Hymenoptera: Formicidae) workers. *Micron*. 2013 Feb;45:22-31. doi: 10.1016/j.micron.2012.10.008. Epub 2012 Oct 23. PubMed PMID: 23148883.

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Takahashi K, Matsumoto R, Nemoto S, Matsuda R. [Analytical method of hydramethylnon in agricultural products by LC-MS/MS]. *Shokuhin Eiseigaku Zasshi*. 2011;52(1):47-50. Japanese. PubMed PMID: 21383534.

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