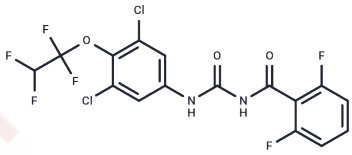
Data Sheet (Cat.No.T5117)

TargetMol

Hexaflumuron

Chemical Properties



CAS No. : 86479-06-3

Formula: C16H8Cl2F6N2O3

Molecular Weight: 461.14

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	Hexaflumuron is a chitin synthesis inhibitor used to bait and eliminate termite colonies. Termites are unable to metabolize hexaflumuron and clearance is slow, resulting in up to 100% elimination. Hexaflumuron has also been tested for use with the raisin moth, cowpea weevil, and Asiatic rice borer with positive results.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (130.11 mM),Sonication is recommended. H2O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1685 mL	10.8427 mL	21.6854 mL
5 mM	0.4337 mL	2.1685 mL	4.3371 mL
10 mM	0.2169 mL	1.0843 mL	2.1685 mL
50 mM	0.0434 mL	0.2169 mL	0.4337 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

Evans TA, et al. Termite (order Blattodea, infraorder Isoptera) baiting 20 years after commercial release. Pest Manag Sci. 2015 Jul;71(7):897-906.

Khajepour S, et al. Evaluation of two formulated chitin synthesis inhibitors, hexaflumuron and lufenuron against the raisin moth, Ephestia figulilella.J Insect Sci. 2012;12:102.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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