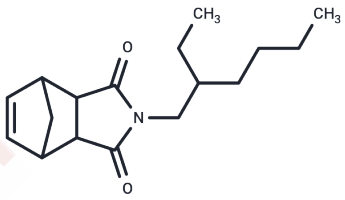
Data Sheet (Cat.No.T20906)

TargetMol

MGK-264

Chemical Properties



CAS No. : 113-48-4

Formula: C17H25NO2

Molecular Weight: 275.39

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	MGK-264, a dicarboxamide synergist, is used to enhance the effects of pesticides. when used in combination with sublethal doses of a variety of plant-derived molluscicides, it also decreases the fecundity of adult L. acuminata and reduces survival of the offspring after hatching.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6312 mL	18.1561 mL	36.3121 mL
5 mM	0.7262 mL	3.6312 mL	7.2624 mL
10 mM	0.3631 mL	1.8156 mL	3.6312 mL
50 mM	0.0726 mL	0.3631 mL	0.7262 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

Kilsheimer, J.A., and Kaufman, H.A. Pesticidal composition comprising a benzothienyl carbamate and synergist. (1972).
Radwan, H.S.A., Riskallah, M.R., and El-Keie, I.A. Synergistic effects on the toxicity of organotins on cotton leafworms. Toxicology 14(3), 193-198 (1979).
Singh, K., and Singh, D.K. Effect of different combinations of MGK-264 or piperonyl butoxide with plant-derived molluscicides on snail reproduction. Arch. Environ. Contam. Toxicol. 38(2), 182-190 (2000).

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