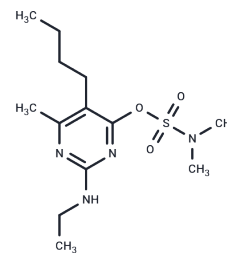


Bupirimate

Chemical Properties

CAS No. :	41483-43-6
Formula:	C ₁₃ H ₂₄ N ₄ O ₃ S
Molecular Weight:	316.42
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	Bupirimate (Nimrod), an active ingredient in plant protection products, is commonly used as a systemic fungicide and finds applications in controlling powdery mildew in roses, apple plantations. It belongs to the family of pyrimidines.
Targets(IC50)	Antifungal, Adenosine Deaminase

Solubility Information

Solubility	DMSO: 3.6 mg/mL (11.38 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	3.1604 mL	15.8018 mL	31.6036 mL
5 mM	0.6321 mL	3.1604 mL	6.3207 mL
10 mM	0.316 mL	1.5802 mL	3.1604 mL
50 mM	0.0632 mL	0.316 mL	0.6321 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

Estévez-Lao TY, Hillyer JF. Involvement of the Anopheles gambiae Nimrod gene family in mosquito immune responses. *Insect Biochem Mol Biol.* 2014 Jan;44:12-22.

Cinege G, et al. Genes encoding cuticular proteins are components of the Nimrod gene cluster in Drosophila. *Insect Biochem Mol Biol.* 2017 Aug;87:45-54.

Kasiotis KM, et al. Assessment of field re-entry exposure to pesticides: A dislodgeable foliar residue study. *Sci Total Environ.* 2017 Oct 15;596-597:178-186.

Somogyi K, et al. Evolution of genes and repeats in the Nimrod superfamily. *Mol Biol Evol.* 2008 Nov;25(11):2337-47.

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