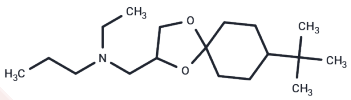
Data Sheet (Cat.No.T36940)

TargetMol

Spiroxamine

Chemical Properties



CAS No. : 118134-30-8

Formula: C18H35NO2

Molecular Weight: 297.48

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	Spiroxamine is a tertiary amine fungicide and an inhibitor of δ14 reductase and δ8→δ7 isomerase. Spiroxamine inhibits the growth of N. parvum, B. dothidea, D. seriata, and L. theobromae isolates from grape vines.
Targets(IC50)	Others,Antifungal

Solubility Information

Solubility	Chloroform: Slightly soluble DMSO: 50 mg/mL (168.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3616 mL	16.8079 mL	33.6157 mL
5 mM	0.6723 mL	3.3616 mL	6.7231 mL
10 mM	0.3362 mL	1.6808 mL	3.3616 mL
50 mM	0.0672 mL	0.3362 mL	0.6723 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

Buerge IJ, et al. Stereoselective Metabolism of the Sterol Biosynthesis Inhibitor Fungicides Fenpropidin, Fenpropimorph, and Spiroxamine in Grapes, Sugar Beets, and Wheat. J Agric Food Chem. 2016 Jul 6;64(26):5301-9.
Tsiropoulos NG, et al. Residues of spiroxamine in grapes following field application and their fate from vine to wine. J Agric Food Chem. 2005 Dec 28;53(26):10091-6.

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