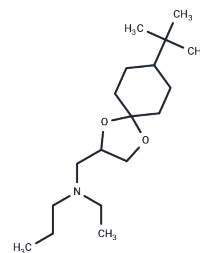


Spiroxamine

Chemical Properties

CAS No. :	118134-30-8
Formula:	C ₁₈ H ₃₅ NO ₂
Molecular Weight:	297.48
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Spiroxamine is a tertiary amine fungicide and an inhibitor of $\delta 14$ reductase and $\delta 8 \rightarrow \delta 7$ isomerase. Spiroxamine inhibits the growth of <i>N. parvum</i> , <i>B. dothidea</i> , <i>D. seriata</i> , and <i>L. theobromae</i> isolates from grape vines.
Targets(IC50)	Others

Solubility Information

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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481