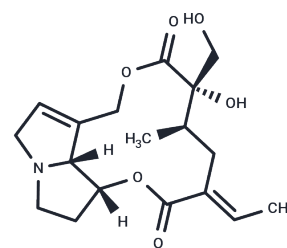


Usaramine

Chemical Properties

CAS No. :	15503-87-4
Formula:	C ₁₈ H ₂₅ NO ₆
Molecular Weight:	351.39
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Usaramine (Mucronatine) demonstrates phytotoxicity against <i>Lactuca sativa</i> var. Carrascoy (lettuce) assessed as inhibition of seed germination at 50 ug/cm ² after 24 hr.
Targets(IC50)	Others,Antibacterial

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 50 mg/mL (142.29 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8458 mL	14.2292 mL	28.4584 mL
5 mM	0.5692 mL	2.8458 mL	5.6917 mL
10 mM	0.2846 mL	1.4229 mL	2.8458 mL
50 mM	0.0569 mL	0.2846 mL	0.5692 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

Tu, M., Li, L., Lei, H., Ma, Z., Chen, Z., & Sun, S. et al. (2014). Involvement of organic cation transporter 1 and CYP3A4 in retrorsine-induced toxicity. *Toxicology*, 322, 34-42. doi: 10.1016/j.tox.2014.04.007
Yang, X., Li, W.,

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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