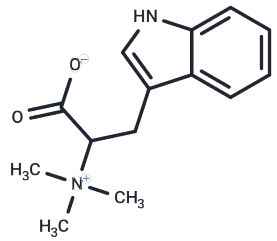
Data Sheet (Cat.No.T5S0273)

TargetMol

Hypaphorine

Chemical Properties



CAS No. : 487-58-1

Formula: C14H18N2O2

Molecular Weight: 246.31

Storage: Store at low temperature
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	1. Hypaphorine (Lenticin) is an indole-3-acetic acid antagonist which specifically compete with indole-3-acetic acid in binding to the indole-3-acetic acid-binding site in plant peroxidases.
Targets(IC50)	Others,JNK,p38 MAPK

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, H2O: 6.25 mg/mL (25.37 mM),Sonication is recommended. DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0599 mL	20.2996 mL	40.5992 mL
5 mM	0.812 mL	4.0599 mL	8.1198 mL
10 mM	0.406 mL	2.030 mL	4.0599 mL
50 mM	0.0812 mL	0.406 mL	0.812 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

Kawano T , Kawano N , Frédéric Lapeyrie. A fungal auxin antagonist, hypaphorine prevents the indole-3-acetic acid-dependent irreversible inactivation of horseradish peroxidase: inhibition of Compound III-mediated formation of P-670[J]. Biochemical and Biophysical Research Communications, 2002, 294(3):0-559.

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