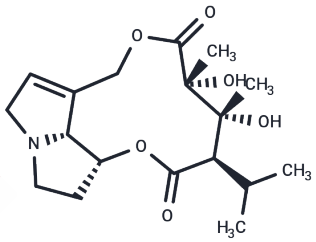
Data Sheet (Cat.No.T40627)

TargetMol

Trichodesmine

Chemical Properties



CAS No. : 548-90-3

Formula: C18H27NO6

Molecular Weight: 353.41

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	Trichodesmine, a dehydropyrrolizidine alkaloid, exhibits hepatotoxic, pneumotoxic, and neurotoxic effects in vivo.
Targets(IC50)	Others,GST
In vitro	Trichodesmine induces pulmonary and hepatic lesions in donkeys[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8296 mL	14.1479 mL	28.2957 mL
5 mM	0.5659 mL	2.8296 mL	5.6591 mL
10 mM	0.283 mL	1.4148 mL	2.8296 mL
50 mM	0.0566 mL	0.283 mL	0.5659 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

Cooper RA, et, al. The relationship between reactivity of metabolites of pyrrolizidine alkaloids and extrahepatic toxicity. Proc West Pharmacol Soc. 1999;42:13-6.

Pessoa CRM, et, al. Pulmonary and hepatic lesions caused by the dehydropyrrolizidine alkaloid-producing plants Crotalaria juncea and Crotalaria retusa in donkeys. Toxicon. 2013 Sep;71:113-20.

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