Data Sheet (Cat.No.T13641)

TargetMol

Dehydrotomatine

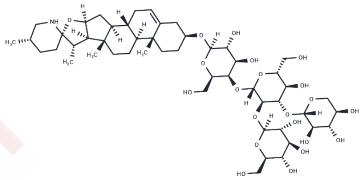
Chemical Properties

CAS No. : 157604-98-3

Formula: C50H81NO21

Molecular Weight: 1032.184

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	Dehydrolycopene is a major steroidal sugar alkaloid (SGAs), which is mainly found in mature green fruits, leaves and flowers of tomatoes. Dehydrotomato is targeted at bacteria, fungi, insects and animals.
Targets(IC50)	Others,Antibacterial,Antifungal

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9688 mL	4.8441 mL	9.6882 mL
5 mM	0.1938 mL	0.9688 mL	1.9376 mL
10 mM	0.0969 mL	0.4844 mL	0.9688 mL
50 mM	0.0194 mL	0.0969 mL	0.1938 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

Lee HJ, et al.Identification of a 3β-Hydroxysteroid Dehydrogenase/ 3-Ketosteroid Reductase Involved in α-Tomatine Biosynthesis in Tomato. Plant Cell Physiol. 2019 Jun 1;60(6):1304-1315.

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