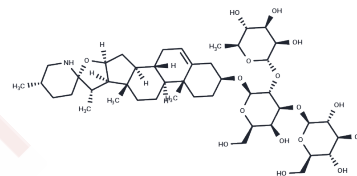


Alpha-Solamarine

Chemical Properties

CAS No. :	20318-30-3
Formula:	C ₄₅ H ₇₃ N ₁ O ₁₆
Molecular Weight:	884.06
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	Alpha-Solamarine (Solamarine) is a glycoside alkaloid isolated from Solanum nigrum. Alpha-Solamarine is inhibitory to Globodera pallid and may be used for plant defense.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (67.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1311 mL	5.6557 mL	11.3114 mL
5 mM	0.2262 mL	1.1311 mL	2.2623 mL
10 mM	0.1131 mL	0.5656 mL	1.1311 mL
50 mM	0.0226 mL	0.1131 mL	0.2262 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

Shih M J, et al. α and β -solamarine in kennebec Solanum tuberosum leaves and aged tuber slices. Phytochemistry, 1974, 13(6): 997-1000.

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