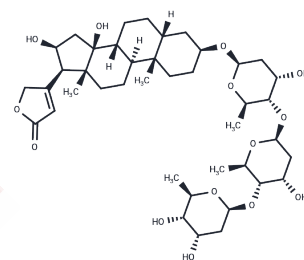


Gitoxin

Chemical Properties

CAS No. :	4562-36-1
Formula:	C ₄₁ H ₆₄ O ₁₄
Molecular Weight:	780.94
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	Gitoxin is a natural Na ⁺ /K ⁺ -ATPase inhibitor and metabolite of digitoxin, exhibiting antiarrhythmic activity with μM-level inhibition of human erythrocyte isoenzymes.
Targets(IC50)	ATPase,Others,Drug Metabolite

Solubility Information

Solubility	Ethanol: 6 mg/mL (7.68 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2805 mL	6.4025 mL	12.8051 mL
5 mM	0.2561 mL	1.2805 mL	2.561 mL
10 mM	0.1281 mL	0.6403 mL	1.2805 mL
50 mM	0.0256 mL	0.1281 mL	0.2561 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

Danijela Krstić, et al. Effects of digoxin and gitoxin on the enzymatic activity and kinetic parameters of Na⁺/K⁺-ATPase. J Enzyme Inhib Med Chem. 2004 Oct;19(5):409-15.

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