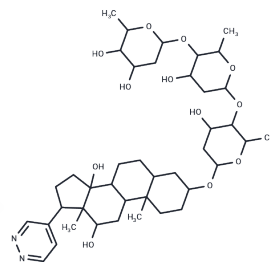


SC 4453

Chemical Properties

CAS No. :	59712-21-9
Formula:	C ₄₁ H ₆₄ N ₂ O ₁₂
Molecular Weight:	776.965
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	SC 4453 is a digoxin analog and a cardiac glycoside derivative.
Targets(IC50)	ATPase,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2871 mL	6.4353 mL	12.8705 mL
5 mM	0.2574 mL	1.2871 mL	2.5741 mL
10 mM	0.1287 mL	0.6435 mL	1.2871 mL
50 mM	0.0257 mL	0.1287 mL	0.2574 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

- Randimbivololona F. Distribution of SC-4453, a new semi-synthetic derivative of digoxin, following an infusion preceded by an i.v. loading dose in the guinea-pig. Binding to plasma proteins. Eur J Drug Metab Pharmacokinet. 1988 Jan-Mar;13(1):19-22. PubMed PMID: 3396609.
- Randimbivololona F, Lesne M. Intestinal absorption of SC4453 in the guinea-pig. Arch Int Pharmacodyn Ther. 1982 Dec;260(2):296-8. PubMed PMID: 7165435.
- Randimbivololona F, Lesne M. Importance of the urinary excretion in the total elimination of SC4453 in the guinea-pig. J Pharmacol. 1984 Apr-Jun;15(2):199-208. PubMed PMID: 6738077.
- Gupta RS, Chopra A. Cross-resistance and biochemical studies with two classes of HeLa cell mutants resistant to cardiac glycosides. The unusual behavior of cardenolide SC4453. J Biol Chem. 1985 Jun 10;260(11):6843-50. PubMed PMID: 2987235.

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