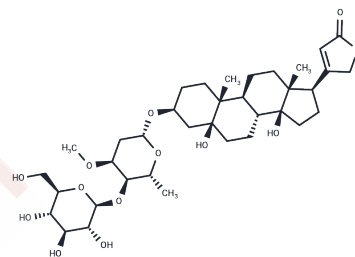


Periplocin

Chemical Properties

CAS No. :	13137-64-9
Formula:	C ₃₆ H ₅₆ O ₁₃
Molecular Weight:	696.82
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Periplocin (Periplocoside) has anti-cancer effects on lung cancer cells, induces apoptosis and inhibits growth of cancer cells by the beta-catenin/Tcf signaling pathway. 2. Periplocin is used for treatment of rheumatoid arthritis, reinforcement of bones and tendons, palpitations or shortness of breath and lower extremity edema in traditional medicine.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	Pyridine, Methanol, etc.: Soluble, DMSO: 91 mg/mL (130.59 mM), Sonication is recommended. Ethanol: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4351 mL	7.1755 mL	14.3509 mL
5 mM	0.287 mL	1.4351 mL	2.8702 mL
10 mM	0.1435 mL	0.7175 mL	1.4351 mL
50 mM	0.0287 mL	0.1435 mL	0.287 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.

Reference

Cheng C F , Lu I H , Tseng H W , et al. Antitumor Effect of Periplocin in TRAIL-Resistant Human Hepatocellular Carcinoma Cells through Downregulation of IAPs[J]. Evidence-Based Complementary and Alternative Medicine, 2013, 2013:1-11.

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