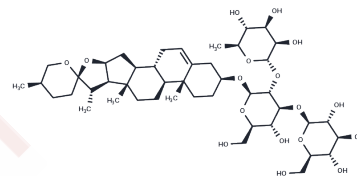


Gracillin

Chemical Properties

CAS No. :	19083-00-2
Formula:	C ₄₅ H ₇₂ O ₁₇
Molecular Weight:	885.04
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Gracillin can induce cell cycle arrest, oxidative stress, and apoptosis in HL60 cells, and has the potential to be developed as an antitumor agent. Gracillin can be selected as lead compounds for the development of new drugs against <i>I. multifiliis</i> .
Targets(IC ₅₀)	Cell Cycle Arrest

Solubility Information

Solubility	DMSO: 18.33 mg/mL (20.71 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	1.1299 mL	5.6495 mL	11.2989 mL
5 mM	0.226 mL	1.1299 mL	2.2598 mL
10 mM	0.113 mL	0.5649 mL	1.1299 mL
50 mM	0.0226 mL	0.113 mL	0.226 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

Chen CR, et al. Gracillin induces apoptosis in HL60 human leukemic cell line via oxidative stress and cell cycle arrest of G1. *Pharmazie*. 2015 Mar;70(3):199-204.

Zheng W, et al. Antiparasitic efficacy of Gracillin and Zingiberis newsaponin from *Costus speciosus* (Koen ex. Retz) Sm. against *Ichthyophthirius multifiliis*. *Parasitology*. 2015 Mar;142(3):473-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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