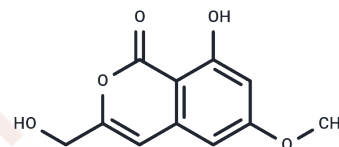


Cytogenin

Chemical Properties

CAS No. :	132971-59-6
Formula:	C ₁₁ H ₁₀ O ₅
Molecular Weight:	222.19
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	Cytogenin, a coumarin derivative isolated from <i>S. eurodicicum</i> , exhibits multiple biological effects. It notably diminishes tumor mass in an Ehrlich murine spontaneous adenocarcinoma model with a daily administration of 25 mg/kg. Furthermore, cytogenin (30 and 100 mg/kg per day) counteracts the body weight reduction and the rise in plasma glucose levels induced by streptozotocin, along with reducing pancreatic macrophage infiltration in a diabetes mouse model. Additionally, at a dose of 100 mg/kg per day, it suppresses nitric oxide production triggered by zymosan and LPS, as well as the LPS-induced increase in IL-6 levels in isolated mouse macrophages.
Targets(IC50)	Others,NO Synthase,Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5007 mL	22.5033 mL	45.0065 mL
5 mM	0.9001 mL	4.5007 mL	9.0013 mL
10 mM	0.4501 mL	2.2503 mL	4.5007 mL
50 mM	0.090 mL	0.4501 mL	0.9001 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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