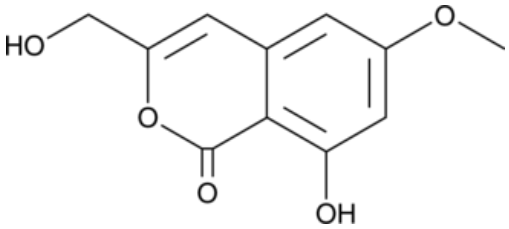
Product Data Sheet

Product Name: Cytogenin
Cat. No.: GC91350

Chemical Properties

Cas. No.	132971-59-6		
Formula	$C_{11}H_{10}O_5$	M.Wt	222.2
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Cytogenin is a coumarin derivative originally found in S. eurocidicum that has diverse biological activities.1,2 It reduces tumor weight in an Ehrlich murine spontaneous adenocarcinoma model when administered at a dose of 25 mg/kg per day.1 In vivo, cytogenin (30 and 100 mg/kg per day) reduces streptozotocin-induced decreases in body weight and increases in plasma glucose levels and macrophage pancreatic infiltration in a mouse model of diabetes.2 It also decreases zymosan- and LPS-induced nitric oxide production, as well as LPS-induced increases in Il-6 levels, in isolated mouse macrophages after administration at a dose of 100 mg/kg per day.

Caution: Product has not been fully validated for medical applications. For research use only.
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