

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

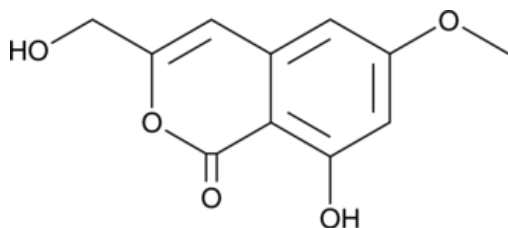
Solubility

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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA