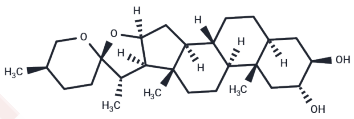
Data Sheet (Cat.No.T3S0860)

TargetMol

Gitogenin

Chemical Properties



CAS No. : 511-96-6

Formula: C27H44O4

Molecular Weight: 432.64

Appearance: no data available

Storage: store at low temperature,keep away from direct sunlight,store under nitrogen
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	1. Gitogenin, tigogenin, and solasodine are novel selective inhibitors of UGT1A4, and do not inhibit the activities of major human CYP isoforms. 2. Gitogenin and (25S)-5α-furastan-3β, 22, 26-triol are the inhibitors of enzyme α-glucosidase with IC50 values of 37.2±0.18 and 33.5±0.22 uM, respectively.3. Gitogenin shows moderate stimulation of release activity on growth hormone from rat pituitary cells.
Targets(IC50)	UGT

Solubility Information

Solubility	DMSO: 4.33 mg/mL (10 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3114 mL	11.557 mL	23.1139 mL
5 mM	0.4623 mL	2.3114 mL	4.6228 mL
10 mM	0.2311 mL	1.1557 mL	2.3114 mL
50 mM	0.0462 mL	0.2311 mL	0.4623 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

Shim S , Lee E , Kim J , et al. Rat Growth-Hormone Release Stimulators from Fenugreek Seeds[J]. Chemistry & Biodiversity, 2008, 5(9):1753-1761.

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