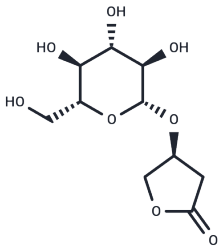
Data Sheet (Cat.No.TN8180)

TargetMol

Goodyeroside A

Chemical Properties



CAS No. : 211107-44-7

Formula: C10H16O8

Molecular Weight: 264.23

Storage: Store at low temperature,Keep away from direct sunlight
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	Goodyeroside A is a natural glycoside that inhibits liver damage caused by substances such as carbon tetrachloride, and is also effective in suppressing inflammation by inhibiting the NF-κB signalling pathway.
Targets(IC50)	NF-κB
In vitro	Goodyeroside A exhibits anti-inflammatory activity in vitro by suppressing LPS-induced NO production, iNOS expression, and proinflammatory cytokine release (TNF-α, IL-6) in RAW264.7 macrophages (0.1-10μM, 24h), without showing cytotoxicity[1].
In vivo	Goodyeroside A (25 and 50mg/kg, oral) significantly reduces ear swelling and inflammatory cell infiltration in a mouse ear edema model induced by croton oil, supporting its anti-inflammatory effect[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7846 mL	18.9229 mL	37.8458 mL
5 mM	0.7569 mL	3.7846 mL	7.5692 mL
10 mM	0.3785 mL	1.8923 mL	3.7846 mL
50 mM	0.0757 mL	0.3785 mL	0.7569 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.

Reference

Zhang Y, et al. Efficient synthesis of kinsenoside and goodyeroside a by a chemo-enzymatic approach. Molecules. 2014 Oct 22;19(10):16950-8.

Du XM, Sun NY, Chen Y, Irino N, Shoyama Y. Hepatoprotective aliphatic glycosides from three Goodyera species. Biol Pharm Bull. 2000 Jun;23(6):731-4.