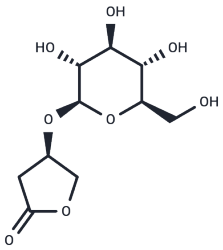
Data Sheet (Cat.No.T3849)

TargetMol

Kinsenoside

Chemical Properties



CAS No. : 151870-74-5

Formula: C10H16O8

Molecular Weight: 264.23

Storage: Store at low temperature,Keep away from moisture
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	Kinsenoside ((+)-Kinsenoside) shows significant antihepatotoxic, and anti-inflammatory activities. Kinsenoside could be useful for repairing beta cells in pancreatic islet injury as well as improving its function, it could promote the glucose tolerance of acute glucose increase in both diabetic and normal healthy rats. Kinsenoside inhibits osteoclastogenesis from macrophages by attenuating RANKL-induced NF-κB and NFATc1 activities, which in turn, prevents bone loss from OVX mice.
Targets(IC50)	Apoptosis,Nrf2

Solubility Information

Solubility	DMSO: 37.5 mg/mL (141.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.57 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

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 , Cai J , Ruan H , et al. Antihyperglycemic activity of kinsenoside, a high yielding constituent from Anoectochilus roxburghii in streptozotocin diabetic rats[J]. Journal of Ethnopharmacology, 2007, 114(2):0-145.
Wu J B , Lin W L , Hsieh C C , et al. The hepatoprotective activity of kinsenoside fromAnoectochilus formosanus[J]. Phytotherapy Research, 2007, 21(1):58-61.