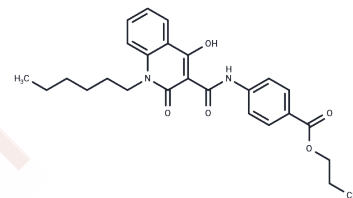


GSA-10

Chemical Properties

CAS No. : 300833-95-8
 Formula: C₂₆H₃₀N₂O₅
 Molecular Weight: 450.53
 Storage: 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	GSA-10 is a potent Smoothed (Smo) receptor agonist with an EC ₅₀ of 1.2 μM. It acts on Smo to promote the differentiation of pluripotent mesenchymal stem cells into osteoblasts. It also mediates Hedgehog (Hh) signaling, which may have research implications for regenerative medicine in cancer diseases.
Targets(IC50)	Hedgehog/Smoothed,Smo

Solubility Information

Solubility	DMSO: Insoluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2196 mL	11.098 mL	22.1961 mL
5 mM	0.4439 mL	2.2196 mL	4.4392 mL
10 mM	0.222 mL	1.1098 mL	2.2196 mL
50 mM	0.0444 mL	0.222 mL	0.4439 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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