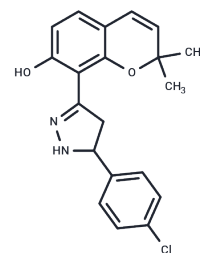


Anti-osteoporosis agent-1

Chemical Properties

CAS No. :	2761577-50-6
Formula:	C ₂₀ H ₁₉ ClN ₂ O ₂
Molecular Weight:	354.83
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	Anti-osteoporosis agent-1 (comp 4aa) is a potent RPA (replication protein A) inhibitor with an IC ₅₀ value of 18 μM [1].
Targets(IC ₅₀)	Apoptosis,Others
In vitro	Anti-osteoporosis agent-1 effectively promotes osteoblast mineralization and enhances the expression of osteogenic marker genes, including Bmp-2, Runx-2, and Type-1col, at both transcriptional and translational levels. It demonstrates significant osteogenic activity and notable anti-apoptotic properties at 1 pM and 100 pM, increasing osteoblast survival under serum-deprived conditions [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8183 mL	14.0913 mL	28.1825 mL
5 mM	0.5637 mL	2.8183 mL	5.6365 mL
10 mM	0.2818 mL	1.4091 mL	2.8183 mL
50 mM	0.0564 mL	0.2818 mL	0.5637 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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