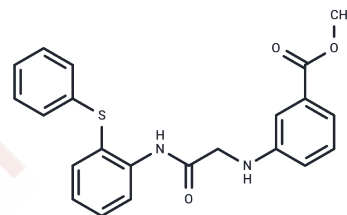


Anti-osteoporosis agent-3

Chemical Properties

CAS No. : 2944463-16-3
 Formula: C₂₂H₂₀N₂O₃S
 Molecular Weight: 392.47
 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	Compound 11, also known as Anti-osteoporosis agent-3, is a derivative of PMSA that serves as an anti-osteoporosis agent. It effectively inhibits osteoclastogenesis in vitro with an IC ₅₀ value of 322.9 nM. Additionally, this compound prevents the formation of F-actin belts and bone resorption [1].
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.548 mL	12.7398 mL	25.4797 mL
5 mM	0.5096 mL	2.548 mL	5.0959 mL
10 mM	0.2548 mL	1.274 mL	2.548 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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

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