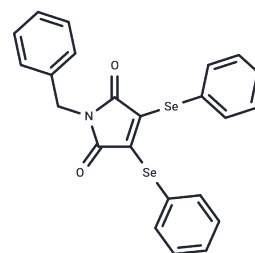


Anti-osteoporosis agent-11

Chemical Properties

CAS No. :	2869099-50-1
Formula:	C ₂₃ H ₁₇ NO ₂ Se ₂
Molecular Weight:	497.31
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-11 (compound 3k) is an anti-osteoporosis compound targeting osteoclasts. It exhibits its most prominent effect by inhibiting osteoclast differentiation, with an IC ₅₀ value of 0.36 μM. Additionally, Anti-osteoporosis agent-11 suppresses osteoclast formation, bone resorption, and the expression of osteoclast-specific genes by blocking the RANKL-induced mitogen-activated protein kinase (MAPK) and NF-κB signaling pathways.
Targets(IC ₅₀)	NF-κB, RANKL/RANK, p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0108 mL	10.0541 mL	20.1082 mL
5 mM	0.4022 mL	2.0108 mL	4.0216 mL
10 mM	0.2011 mL	1.0054 mL	2.0108 mL
50 mM	0.0402 mL	0.2011 mL	0.4022 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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