

## Anti-osteoporosis agent-4

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>26</sub>ClN<sub>3</sub>O<sub>7</sub>S

Molecular Weight: 560.02

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-4 (Compound 11h) suppresses the differentiation of primary osteoclasts and attenuates RANKL-induced osteoclastogenesis, effectively inhibiting osteoclast formation with an IC <sub>50</sub> value of 358.29 nM, and impedes the activation of the PI3K/AKT and IκBα/NF-κB signaling pathways [1].
Targets(IC <sub>50</sub> )	NF-κB,PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7857 mL	8.9283 mL	17.8565 mL
5 mM	0.3571 mL	1.7857 mL	3.5713 mL
10 mM	0.1786 mL	0.8928 mL	1.7857 mL
50 mM	0.0357 mL	0.1786 mL	0.3571 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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