

BE-16627B

Chemical Properties

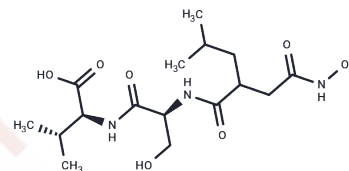
CAS No. : 137530-61-1

Formula: C₁₆H₂₉N₃O₇

Molecular Weight: 375.42

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	BE-16627B is a novel metalloproteinase (MP) inhibitor isolated from Streptomyces sp. BE16627B selectively inhibited MPs such as human stromelysin and 92 kD gelatinase. After the cells were cultured with BE16627B for 5 days, BE16627B inhibited MP activity in the primary culture supernatants from synovial cells in a dose-dependent fashion without showing apparent cytotoxicity or affecting the production and secretion of MPs. Its IC ₅₀ for active collagenolysis before activation by trypsin was 25 microm.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6637 mL	13.3184 mL	26.6368 mL
5 mM	0.5327 mL	2.6637 mL	5.3274 mL
10 mM	0.2664 mL	1.3318 mL	2.6637 mL
50 mM	0.0533 mL	0.2664 mL	0.5327 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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