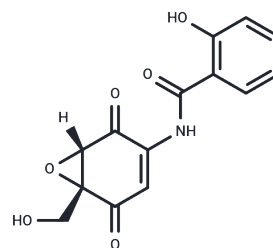


## Epoxyquinomicin B

## Chemical Properties

CAS No. :	175448-32-5
Formula:	C <sub>14</sub> H <sub>11</sub> NO <sub>6</sub>
Molecular Weight:	289.24
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	Epoxyquinomicin B is an antibiotic isolated from <i>Amycolatopsis</i> sp. It exhibits inhibitory activity against <i>Micrococcus luteus</i> , <i>Bacillus subtilis</i> , <i>Pasteurella piscicida</i> , and <i>Staphylococcus aureus</i> , with a minimum inhibitory concentration (MIC) of 6.25-12.5 µg/mL. It also shows cytotoxicity in cancer cells L1210, with an IC <sub>50</sub> of 16.3 µg/mL. Additionally, Epoxyquinomicin B demonstrates anti-inflammatory effects on collagen-induced arthritis.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4573 mL	17.2867 mL	34.5734 mL
5 mM	0.6915 mL	3.4573 mL	6.9147 mL
10 mM	0.3457 mL	1.7287 mL	3.4573 mL
50 mM	0.0691 mL	0.3457 mL	0.6915 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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