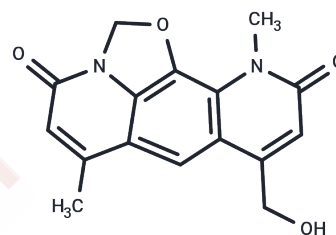


Nybomycin

Chemical Properties

CAS No. :	30408-30-1
Formula:	C ₁₆ H ₁₄ N ₂ O ₄
Molecular Weight:	298.298
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	Nybomycin is a fungal metabolite originally isolated from <i>Streptomyces</i> sp. A717 and has antibacterial activity. It is active against <i>B. subtilis</i> , <i>B. cereus</i> , <i>B. mycoides</i> , <i>M. smegmatis</i> , and <i>K. pneumoniae</i> (MICs = 0.025, 2, 0.8, 0.2, and 0.003 µg/ml, respectively). Nybomycin is also active against <i>M. tuberculosis</i> and <i>M. bovis</i> (MICs = 4.5 and 1 µg/ml, respectively).
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3523 mL	16.7616 mL	33.5233 mL
5 mM	0.6705 mL	3.3523 mL	6.7047 mL
10 mM	0.3352 mL	1.6762 mL	3.3523 mL
50 mM	0.067 mL	0.3352 mL	0.6705 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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