

Antibacterial agent 253

Chemical Properties

CAS No. :

Formula: C33H30ClN3O5

Molecular Weight: 584.06

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	Antibacterial agent 253 (compound 7a) is an effective bacterial inhibitor with a minimum inhibitory concentration (MIC) of 1.562 µg/mL against several pathogens, including <i>Pseudomonas aeruginosa</i> (<i>P. aeruginosa</i>), <i>Staphylococcus aureus</i> (<i>S. aureus</i>), <i>Listeria monocytogenes</i> (<i>L. monocytogenes</i>), <i>Bacillus cereus</i> (<i>B. cereus</i>), and <i>Salmonella typhi</i> (<i>S. typhi</i>).
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7122 mL	8.5608 mL	17.1215 mL
5 mM	0.3424 mL	1.7122 mL	3.4243 mL
10 mM	0.1712 mL	0.8561 mL	1.7122 mL
50 mM	0.0342 mL	0.1712 mL	0.3424 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481