

Antibacterial agent 315

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	LP07 is an antibacterial agent targeting Pseudomonas aeruginosa. It exhibits a minimum inhibitory concentration (MIC) of 8 µg/mL against both wild-type and efflux pump-deficient strains of P. aeruginosa PA14. LP07 exerts its antibacterial effects by directly disrupting the structural integrity of bacterial cell membranes. It shows moderate inhibition of MMP-17 and MMP-19 but has no significant inhibitory effect on other MMP subtypes. LP07 does not inhibit LpxC enzyme activity and can be utilized in research on Pseudomonas aeruginosa infections.
Targets(IC50)	MMP

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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