

PAA-38

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	PAA-38 is an effective and selective inhibitor targeting bacterial prolyl-tRNA synthetase (ProRS). It inhibits Pseudomonas aeruginosa ProRS (PaProRS) with a Kd of 0.399 nM and an IC50 of 4.97 nM. The IC50 for human cytoplasmic ProRS (HsProRS) is 35.5 nM. In vitro, PAA-38 exhibits a minimum inhibitory concentration (MIC) of 4-8 µg/mL.
Targets(IC50)	Antibacterial

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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