

RNAP- σ interaction-IN-4

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	RNAP- σ interaction-IN-4 (Compound 3a) is an inhibitor of the interaction between RNA polymerase and the sigma factor (RNAP- σ). It has a minimum inhibitory concentration (MIC) of 1 μ g/mL against <i>S. pneumoniae</i> and 2 μ g/mL against <i>S. aureus</i> . This compound exhibits potent bactericidal properties by disrupting bacterial transcription through interference with the β' CH- σ interaction. Additionally, RNAP-IN-2 has demonstrated significant efficacy in a sepsis model. RNAP- σ interaction-IN-4 is applicable for studying Gram-positive bacterial infections involving multidrug-resistant strains.
Targets(IC50)	DNA/RNA Synthesis

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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