

PNU-176798

Catalog No: tcsc0018458



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

428861-91-0

Formula:

$C_{16}H_{13}FN_4O_3S$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

360.36

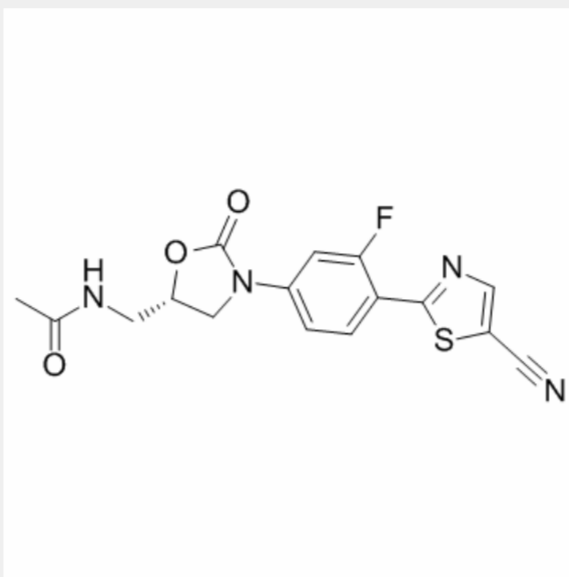
Product Description

PNU-176798 is an antimicrobial agent, targeting protein synthesis in a wide spectrum of gram-positive and anaerobic bacteria.

IC50 & Target: Bacterial^[1]

In Vitro:

PNU-176798 is an antimicrobial agent, with a minimum inhibitory concentration (MIC) of 1.4 μM for *E. coli*. PNU-176798 inhibits fMet-tRNA binding to the 70S ribosomes, with an IC_{50} of 32 μM . PNU-176798 also blocks translation, 70S initiation with IC_{50} s of 0.53, and 32 μM , respectively. PNU-176798 inhibits peptidyl transferase (IC_{50} , 40 μM), and the inhibition is more pronounced in the presence of elongation factor P (EF-P). PNU-176798 markedly inhibits the EF-G-mediated translocation of fMet-tRNA (IC_{50} , 8 μM)^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!