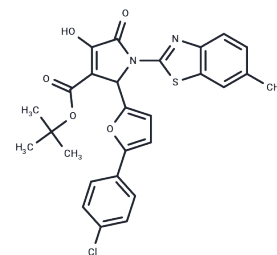


MurA-IN-3

Chemical Properties

CAS No. :	2866186-38-9
Formula:	C ₂₇ H ₂₃ ClN ₂ O ₅ S
Molecular Weight:	523
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	MurA-IN-3, a reversible pyrrolidinedione-based MurA inhibitor, exhibits an IC ₅₀ of 4.5 μM against MurA and demonstrates antibacterial activity [1].
In vitro	MurA-IN-3 exhibits inhibitory effects on both MurA and its C115D mutant, with IC ₅₀ values of 4.5 μM and 4.9 μM respectively, and demonstrates antibacterial properties along with notable stability. At concentrations ranging from 0-100 μM over 24 hours, it shows no cytotoxicity in MRC-5 and HepG2 cell lines. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.912 mL	9.5602 mL	19.1205 mL
5 mM	0.3824 mL	1.912 mL	3.8241 mL
10 mM	0.1912 mL	0.956 mL	1.912 mL
50 mM	0.0382 mL	0.1912 mL	0.3824 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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