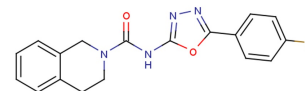


MBX-4132

Chemical Properties

CAS No.: 2286411-30-9
Formula: C₁₈H₁₅FN₄O₂
Molecular Weight: 338.34
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	MBX-4132, inhibit trans translation by binding to the bacterial ribosome, is a member of a chemical class called oxadiazoles.
Targets(IC ₅₀)	Others: None
In vitro	MBX-4132, has several characteristics that could make it a match for <i>Neisseria gonorrhoeae</i> (N. gonorrhoeae), which interferes with protein synthesis by blocking trans translation.

Solubility Information

Solubility	DMSO: 25 mg/mL (73.89 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.956 mL	14.778 mL	29.556 mL
5 mM	0.591 mL	2.956 mL	5.911 mL
10 mM	0.296 mL	1.478 mL	2.956 mL
50 mM	0.059 mL	0.296 mL	0.591 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Anette Breindl, et al. Ribosome allows for multiple shots on giant goal.

Inhibitors · Natural Compounds · Compound Libraries

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