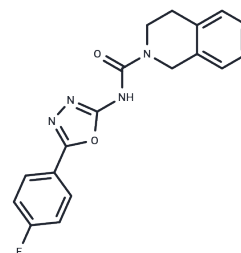


MBX-4132

## Chemical Properties

CAS No. : 2286411-30-9  
 Formula: C<sub>18</sub>H<sub>15</sub>FN<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 338.34  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	MBX-4132, inhibit trans translation by binding to the bacterial ribosome, is a member of a chemical class called oxadiazoles.
Targets(IC50)	Antibacterial
In vitro	MBX-4132, has several characteristics that could make it a match for <i>Neisseria gonorrhoeae</i> ( <i>N. gonorrhoeae</i> ).?which interferes with protein synthesis by blocking trans translation.

## Solubility Information

Solubility	DMSO: 20 mg/mL (59.11 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9556 mL	14.778 mL	29.5561 mL
5 mM	0.5911 mL	2.9556 mL	5.9112 mL
10 mM	0.2956 mL	1.4778 mL	2.9556 mL
50 mM	0.0591 mL	0.2956 mL	0.5911 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.

## Reference

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

**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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