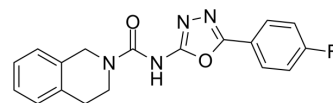


## MBX-4132

Cat. No.:	HY-112565		
CAS No.:	2286411-30-9		
Molecular Formula:	C <sub>18</sub> H <sub>15</sub> FN <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	338.34		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (73.89 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9556 mL	14.7780 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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

MBX-4132, a member of a chemical class called oxadiazoles that inhibit trans translation by binding to the bacterial ribosome.

#### In Vitro

MBX-4132, which interferes with protein synthesis by blocking trans translation, has several characteristics that could make it a match for *Neisseria gonorrhoeae* (*N. gonorrhoeae*)<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Mbio. 2022 Sep 26;e0185822.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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## REFERENCES

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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