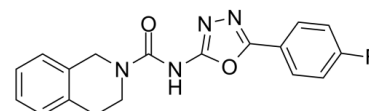


## Data Sheet

<b>Product Name:</b>	MBX-4132
<b>Cat. No.:</b>	CS-0046638
<b>CAS No.:</b>	2286411-30-9
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>15</sub> FN <sub>4</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	338.34
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 25 mg/mL (73.89 mM; Need ultrasonic and warming)



### BIOLOGICAL ACTIVITY:

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>.

### References:

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

### CAIndexNames:

2(1H)-Isoquinolinecarboxamide, N-[5-(4-fluorophenyl)-1,3,4-oxadiazol-2-yl]-3,4-dihydro-

### SMILES:

O=C(NC1=NN=C(C2=CC=C(F)C=C2)O1)N3CCCC4=CC=CC=C4C3

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

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