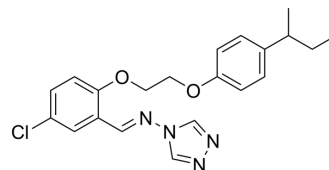


## PqsR/LasR-IN-2

<b>Cat. No.:</b>	HY-146328		
<b>CAS No.:</b>	2071705-93-4		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>23</sub> ClN <sub>4</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	398.89		
<b>Target:</b>	Bacterial; Antibiotic		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (250.70 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5070 mL	12.5348 mL	25.0696 mL
5 mM	0.5014 mL	2.5070 mL	5.0139 mL
10 mM	0.2507 mL	1.2535 mL	2.5070 mL

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

### BIOLOGICAL ACTIVITY

#### Description

PqsR/LasR-IN-2 (Compound 3) is a potent inhibitor of PqsR and LasR systems in *P. aeruginosa*. PqsR/LasR-IN-2 also inhibits hERG with the IC<sub>50</sub> of 1.408 μM<sup>[1]</sup>.

### REFERENCES

[1]. Mohammad Anwar Hossain, et al. Design, synthesis, and evaluation of compounds capable of reducing *Pseudomonas aeruginosa* virulence. *Eur J Med Chem.* 2020 Jan 1;185:111800.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA