PqsR/LasR-IN-3

Cat. No.: HY-146329

CAS No.: 2581109-51-3

Molecular Formula: $C_{14}H_{17}NO_5S$

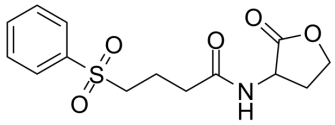
Molecular Weight: 311.35

Target: Bacterial; Antibiotic

Pathway: Anti-infection

Storage:

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 (321.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.2118 mL	16.0591 mL	32.1182 mL
	5 mM	0.6424 mL	3.2118 mL	6.4236 mL
	10 mM	0.3212 mL	1.6059 mL	3.2118 mL

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

BIOLOGICAL ACTIVITY

Description

PqsR/LasR-IN-3 (Compound 7a) is a potent inhibitor of PqsR and LasR systems in P. aeruginosa. PqsR/LasR-IN-3 also inhibits hERG with the IC_{50} of 109.01 μM[1].

IC_{50} & Target

PqsR, LasR[1]

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.

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