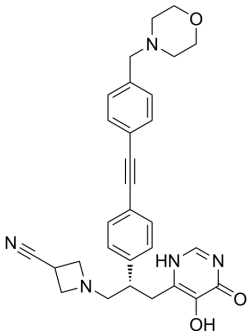
LpxC-IN-10

Cat. No.:	HY-147237
CAS No.:	2413574-64-6
Molecular Formula:	$C_{30}H_{31}N_5O_3$
Molecular Weight:	509.6
Target:	Bacterial
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 : 10 mg/mL (19.62 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.9623 mL	9.8116 mL	19.6232 mL
	5 mM	0.3925 mL	1.9623 mL	3.9246 mL
	10 mM	0.1962 mL	0.9812 mL	1.9623 mL

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

BIOLOGICAL ACTIVITY

Description

LpxC-IN-10 (Compound A) is a high selectivity inhibitor of LpxC. LpxC-IN-10 exhibits MIC values of 0.5 μg/mL against E. coli and K. pneumoniae. LpxC-IN-10 (Compound A) can be used for the research of bacterial infection[1]. LpxC-IN-10 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

In Vitro

LpxC-IN-10 (Compound A) shows a MIC value of 0.5 μg/mL to E. coli and K. pneumoniae[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Min T, et al. LPXC INHIBITOR, FORMULATIONS, AND USES THEREOF:, US20210315902A1[P]. 2021.

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