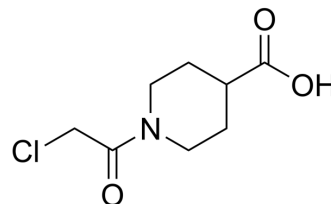


MurA-IN-4

Cat. No.:	HY-21745		
CAS No.:	318280-69-2		
Molecular Formula:	C ₈ H ₁₂ ClNO ₃		
Molecular Weight:	205.64		
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 : ≥ 100 mg/mL (486.29 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		4.8629 mL	24.3143 mL	48.6287 mL
	5 mM		0.9726 mL	4.8629 mL	9.7257 mL
	10 mM		0.4863 mL	2.4314 mL	4.8629 mL

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

BIOLOGICAL ACTIVITY

Description

MurA-IN-4 has antibacterial activity and is a MurA inhibitor that inhibits bacterial cell wall synthesis^[1].

REFERENCES

[1]. Grabrijan K, et al. Covalent inhibitors of bacterial peptidoglycan biosynthesis enzyme MurA with chloroacetamide warhead. Eur J Med Chem. 2022 Dec 5;243:114752.

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

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