Antibacterial agent 117

Cat. No.: HY-W282615

CAS No.: 341944-06-7

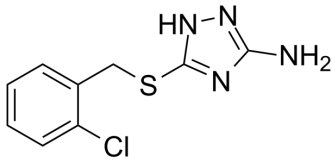
Molecular Formula: $C_9H_9ClN_4S$

Molecular Weight: 240.71

Target: Bacterial

Pathway: Anti-infection

Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (415.44 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.1544 mL	20.7719 mL	41.5438 mL
	5 mM	0.8309 mL	4.1544 mL	8.3088 mL
	10 mM	0.4154 mL	2.0772 mL	4.1544 mL

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

BIOLOGICAL ACTIVITY

Description

Antibacterial agent 117, triazole derivative, is an antibacterial agent. Antibacterial agent 117 has against ***R. prowazekii*** MetAP1 (RpMetAP1) activity with an IC_{50} value of 15 μM. Antibacterial agent 117 also inhibits rickettsial growth and can be used for the research of infection[1].

IC_{50} & Target

IC50: 15 μM (RpMetAP1)[1]

In Vitro

Antibacterial agent 117 can inhibit RpMetAP1 with an IC_{50} value of 15 μM[1].
Antibacterial agent 117 (0.3 μM, 3 μM, 30 μM and 300 μM) stimulates endothelial cell (EC) metabolism and also inhibits rickettsial growth[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Travis R Helgren, et al. Rickettsia prowazekii methionine aminopeptidase as a promising target for the development of antibacterial agents. Bioorg Med Chem

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

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