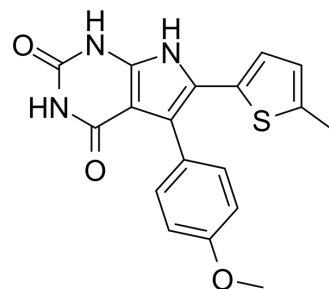


G0507

Cat. No.:	HY-124658		
CAS No.:	1223998-29-5		
Molecular Formula:	C ₁₈ H ₁₅ N ₃ O ₃ S		
Molecular Weight:	353.4		
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 : 5 mg/mL (14.15 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8297 mL	14.1483 mL	28.2965 mL
	5 mM	0.5659 mL	2.8297 mL	5.6593 mL
	10 mM	0.2830 mL	1.4148 mL	2.8297 mL

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

BIOLOGICAL ACTIVITY

Description

G0507, a pyrrolopyrimidinedione compound, is a potent LolCDE ABC Transporter inhibitor. G0507 is a inhibitor of *Escherichia coli* growth and induces the extracytoplasmic σ E stress response. G0507 acts as a chemical probe to dissect lipoprotein trafficking in Gram-negative bacteria^[1].

REFERENCES

[1]. Nickerson NN, et al. A Novel Inhibitor of the LolCDE ABC Transporter Essential for Lipoprotein Trafficking in Gram-Negative Bacteria. *Antimicrob Agents Chemother.* 2018 Mar 27;62(4).

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

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