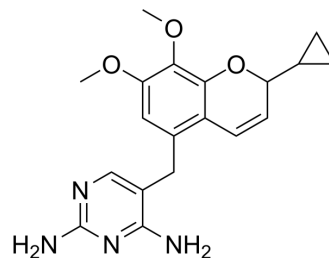


Iclaprim

Cat. No.:	HY-101479		
CAS No.:	192314-93-5		
Molecular Formula:	C ₁₉ H ₂₂ N ₄ O ₃		
Molecular Weight:	354.4		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 30 mg/mL (84.65 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8217 mL	14.1084 mL	28.2167 mL
	5 mM	0.5643 mL	2.8217 mL	5.6433 mL
	10 mM	0.2822 mL	1.4108 mL	2.8217 mL

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

BIOLOGICAL ACTIVITY

Description	Iclaprim is a new selective bacterial Dihydrofolate inhibitor, which can inhibit the growth of <i>S. aureus</i> (MRSA) with an MIC ₉₀ of 0.06 µg/mL.
IC₅₀ & Target	Dihydrofolate ^[1]
In Vitro	Iclaprim inhibits the growth of <i>S. aureus</i> (MRSA) with an MIC ₉₀ of 0.06 µg/mL ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- J Antimicrob Chemother. 2023 Mar 20;dkad063.
- Antimicrob Agents Chemother. 2021 Jul 12;AAC0061921.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Schneider P, et al. Iclaprim, a novel diaminopyrimidine with potent activity on trimethoprim sensitive and resistant bacteria. *Bioorg Med Chem Lett*. 2003 Dec 1;13(23):4217-21.

[2]. Kohlhoff SA, et al. Iclaprim. *Expert Opin Investig Drugs*. 2007 Sep;16(9):1441-8.

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

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