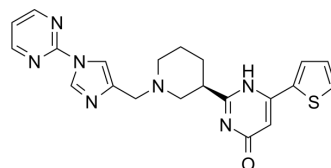


Ribocil-C (R enantiomer)

Cat. No.:	HY-19488B		
CAS No.:	2177266-81-6		
Molecular Formula:	C ₂₁ H ₂₁ N ₇ OS		
Molecular Weight:	419.5		
Target:	Bacterial		
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 : ≥ 6.7 mg/mL (15.97 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.3838 mL	11.9190 mL	23.8379 mL
	5 mM		0.4768 mL	2.3838 mL	4.7676 mL
	10 mM		0.2384 mL	1.1919 mL	2.3838 mL

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

BIOLOGICAL ACTIVITY

Description

Ribocil-C R enantiomer is the R enantiomer of Ribocil-C. Ribocil-C is a highly selective inhibitor of bacterial riboflavin riboswitches.

REFERENCES

[1]. Wang H, et al. Dual-Targeting Small-Molecule Inhibitors of the Staphylococcus aureus FMN Riboswitch Disrupt Riboflavin Homeostasis in an Infectious Setting. Cell Chem Biol. 2017 May 18;24(5):576-588.

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

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