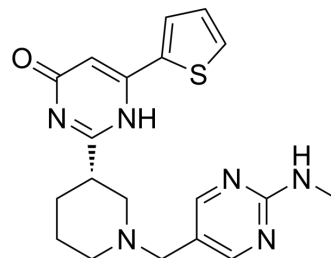


## Ribocil B

Cat. No.:	HY-19487A
CAS No.:	1825355-55-2
Molecular Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>6</sub> OS
Molecular Weight:	382.48
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Ribocil-B is the active S-isomer of ribocil which can inhibit flavin mononucleotide (FMN) with a K <sub>D</sub> of 6.6 nM.
IC <sub>50</sub> & Target	KD: 6.6 nM (FMN) <sup>[1]</sup>
In Vitro	Ribocil-B (S-isomer) is a tight binder to the FMN riboswitch and ribocil-A (R-isomer) does not similarly interact and display antibiotic activity <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. John A. Howe, et al. Atomic resolution mechanistic studies of ribocil: A highly selective unnatural ligand mimic of the E. coli FMN riboswitch.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA