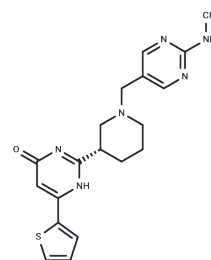


## Ribocil B

## Chemical Properties

CAS No. :	1825355-55-2
Formula:	C <sub>19</sub> H <sub>22</sub> N <sub>6</sub> O <sub>5</sub>
Molecular Weight:	382.48
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ribocil-B is the active S-isomer of ribocil, capable of inhibiting flavin mononucleotide (FMN, KD of 6.6 nM).
Targets(IC50)	Others, Antibacterial
In vitro	Ribocil-B is a tight binder to the FMN riboswitch and ribocil-A does't similarly interact and display antibiotic activity.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6145 mL	13.0726 mL	26.1452 mL
5 mM	0.5229 mL	2.6145 mL	5.229 mL
10 mM	0.2615 mL	1.3073 mL	2.6145 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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