

Product Name	: Ribocil-C
Synonyms	: Ribocil C
Cat No.	: M12818
CAS Number	: 1825355-56-3
Molecular Formula	: C ₂₁ H ₂₁ N ₇ O ₅
Formula Weight	: 419.50
Chemical Name	: 4(3H)-Pyrimidinone, 2-[(3S)-1-[[1-(2-pyrimidinyl)-1H-imidazol-4-yl]methyl]-3-piperidinyl]-6-(2-thienyl)-
Description	: A highly selective inhibitor of the FMN riboswitch that controls expression of de novo riboflavin (Vitamin B ₂) biosynthesis in Escherichia coli; inhibits dual FMN riboswitches, separately controlling RF biosynthesis and uptake processes essential for MRSA growth and pathogenesis.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Antibacterial
Solubility	: 10 mM in DMSO
SMILES	: <chem>C1CC(CN(C1)CC2=CN(C=N2)C3=NC=CC=N3)C4=NC(=CC(=O)N4)C5=CC=CS5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wang H, et al. Cell Chem Biol. 2017 May 18;24(5):576-588.e6. 2. Krajewski SS, et al. Cell Chem Biol. 2017 May 18;24(5):535-537.