

Ribocil-C R enantiomer

Chemical Properties

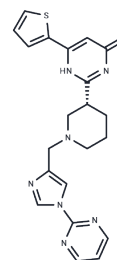
CAS No. :

Formula: C₂₁H₂₁N₇O₅

Molecular Weight: 419.5

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-C R enantiomer is the R enantiomer of Ribocil-C. Ribocil-C is a highly selective bacterial riboflavin riboswitches inhibitor.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 6.7 mg/mL (15.97 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3838 mL	11.919 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
50 mM	0.0477 mL	0.2384 mL	0.4768 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

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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