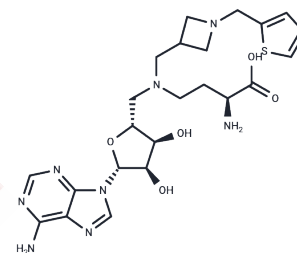


TC-5115

Chemical Properties

CAS No. : 2458182-10-8
 Formula: C23H32N8O5S
 Molecular Weight: 532.62
 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	TC-5115 is a highly potent, selective inhibitor of the SET domain of the histone lysine methyltransferase MLL1 (KMT2A), with an IC ₅₀ value of 16 nM. TC-5115 exhibits weak inhibitory activity against other methyltransferases such as SET7/9, DOT1L, and EZH2 (IC ₅₀ > 1 μM). TC-5115 induces differentiation and growth arrest in leukemia cells and can be used in leukemia research.
Targets(IC50)	Others,Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8775 mL	9.3876 mL	18.7751 mL
5 mM	0.3755 mL	1.8775 mL	3.755 mL
10 mM	0.1878 mL	0.9388 mL	1.8775 mL
50 mM	0.0376 mL	0.1878 mL	0.3755 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

- Feng J, et al. Histone modification and histone modification-targeted anti-cancer drugs in breast cancer: Fundamentals and beyond. *Frontiers in pharmacology*, 2022, 13: 946811.
 Chern T R, et al. Discovery of potent small-molecule inhibitors of MLL methyltransferase. *ACS Medicinal Chemistry Letters*, 2020, 11(6): 1348-1352.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481