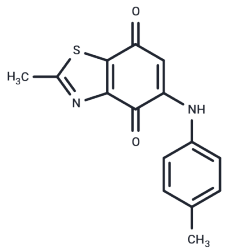
Data Sheet (Cat.No.T23284)

TargetMol

Ryuvidine

Chemical Properties



CAS No. : 265312-55-8

Formula: C15H12N2O2S

Molecular Weight: 284.33

Storage: Store at low temperature,Keep away from direct sunlight
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	Ryuvidine is a dual inhibitor of KDM5A and SETD8, an inducer of the DNA damage response with potential anticancer activity, inhibition of H4K20 methylation, and inhibition of CDK4, and can be used to study breast cancer and erythroplasia.
Targets(IC50)	Histone Demethylase,Histone Methyltransferase,CDK,DNA/RNA Synthesis

Solubility Information

Solubility	DMF: 2 mg/mL (7.03 mM),Sonication is recommended. DMSO: 1 mg/mL (3.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.517 mL	17.5852 mL	35.1704 mL
5 mM	0.7034 mL	3.517 mL	7.0341 mL
10 mM	0.3517 mL	1.7585 mL	3.517 mL
50 mM	0.0703 mL	0.3517 mL	0.7034 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

Ryu CK, et al. 5-Arylamino-2-methyl-4,7-dioxobenzothiazoles as inhibitors of cyclin-dependent kinase 4 and cytotoxic agents. Bioorg Med Chem Lett. 2000 Mar 6;10(5):461-4.

Blum G, et al. Small-molecule inhibitors of SETD8 with cellular activity. ACS Chem Biol. 2014 Nov 21;9(11):2471-8.

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