

ZINC13000658

Chemical Properties

CAS No. : 1324070-76-9
Formula: C₂₁H₁₉N₃O₃
Molecular Weight: 361.39
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	ZINC13000658 is a METTL family inhibitor with significant anti-proliferative effects in various tumor cells, inducing G1 phase cell cycle arrest and apoptosis. Its IC ₅₀ values against HepG2 and SNU-449 cells are 5.632 μ M and 6.184 μ M respectively. Its mechanism of action may be related to inhibiting the activities of multiple methyltransferases such as METTL1/3/6/16/18, and it can be applied to basic research of various cancers.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7671 mL	13.8355 mL	27.6709 mL
5 mM	0.5534 mL	2.7671 mL	5.5342 mL
10 mM	0.2767 mL	1.3835 mL	2.7671 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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

Morshed MN, et al. Identification of novel small molecule inhibitors targeting multiple methyltransferase like proteins against hepatocellular carcinoma. Sci Rep. 2025 Sep 26;15(1):33087.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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