

SMYD3-IN-1

Chemical Properties

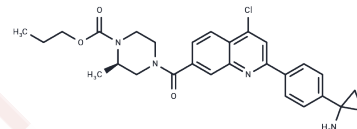
CAS No. : 2095160-79-3

Formula: C₂₈H₃₁ClN₄O₃

Molecular Weight: 507.02

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	SMYD3-IN-1 is an irreversible and selective SMYD3 (SET and MYND domain containing 3) inhibitor (IC ₅₀ of 11.7 nM).
Targets (IC ₅₀)	Histone Methyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9723 mL	9.8615 mL	19.7231 mL
5 mM	0.3945 mL	1.9723 mL	3.9446 mL
10 mM	0.1972 mL	0.9862 mL	1.9723 mL
50 mM	0.0394 mL	0.1972 mL	0.3945 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

Huang C, et al. Discovery of Irreversible Inhibitors Targeting Histone Methyltransferase, SMYD3. ACS Med Chem Lett. 2019 May 23;10(6):978-984.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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