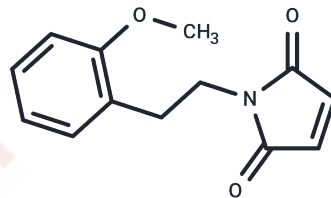


ALKBH5-IN-5

Chemical Properties

CAS No. :	140481-05-6
Formula:	C13H13NO3
Molecular Weight:	231.25
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ALKBH5-IN-5 is a highly selective, potent and covalently binding ALKBH5 inhibitor (IC50 = 0.62 μM) that alters m6A levels on mRNA, promotes differentiation and induces apoptosis, with antitumor activity. ALKBH5 is an N6-methyladenosine (m6A) demethylase that is closely related to leukemogenesis.
Targets(IC50)	ALK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3243 mL	21.6216 mL	43.2432 mL
5 mM	0.8649 mL	4.3243 mL	8.6486 mL
10 mM	0.4324 mL	2.1622 mL	4.3243 mL
50 mM	0.0865 mL	0.4324 mL	0.8649 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

Wu H, et al. Discovery of Covalent and Cell-Active ALKBH5 Inhibitors with Potent Antileukemia Effects In Vivo. *Angew Chem Int Ed Engl.* 2025 Feb 20:e202424928.

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