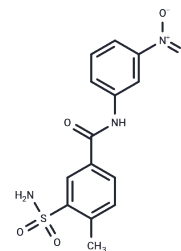


Z116334910

Chemical Properties

CAS No. : 412940-42-2
 Formula: C₁₄H₁₃N₃O₅
 Molecular Weight: 335.34
 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	Z116334910 is a competitive WDR5-MLL1 interaction disruptor, where WDR5 (WD Repeat-containing protein 5) is crucial for the methyltransferase activity of the MLL1 (mixed lineage leukemia 1) complex, and can be used for cancer research.
Targets(IC50)	Histone Methyltransferase

Solubility Information

Solubility	DMSO: 4.50 mg/mL (13.42 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.982 mL	14.9102 mL	29.8205 mL
5 mM	0.5964 mL	2.982 mL	5.9641 mL
10 mM	0.2982 mL	1.491 mL	2.982 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 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

Abuelrub A, et al. A Novel Multi-Tiered Hybrid Virtual Screening Pipeline for the Discovery of WDR5-MLL1 Interaction Disruptors in Precision Cancer Therapy. ACS Omega. 2025;10(40):46501-46523.

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