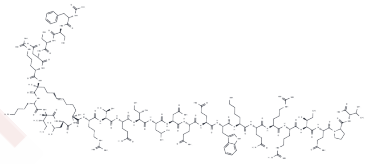
Data Sheet (Cat.No.TP2115)

SAH-EZH2

Chemical Properties



CAS No. : 1453222-26-8

Formula: C155H256N48O40

Molecular Weight: 3432.05

Storage: Keep away from moisture
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	EZH2/EPP interaction inhibitor (Kd = 320 nM). Suppresses EZH2 expression and H3K27 trimethylation by PCR2 complex. Arrests proliferation and induces monocyte to macrophage differentiation of MLL-AF9 leukemia cell line.
Targets(IC50)	Histone Methyltransferase

Solubility Information

Solubility	H2O: 1 mg/mL (0.29 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2914 mL	1.4569 mL	2.9137 mL
5 mM	0.0583 mL	0.2914 mL	0.5827 mL
10 mM	0.0291 mL	0.1457 mL	0.2914 mL
50 mM	0.0058 mL	0.0291 mL	0.0583 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

Kim et al (2013) Targeted disruption of the EZH2-EED complex inhibits EZH2-dependent cancer. Nat.Chem.Biol. 9 643 PMID:
Kim et al (2015) SWI/SNF-mutant cancers depend on catalytic and non-catalytic activity of EZH2. Nat.Med. 21 1491 PMID:

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