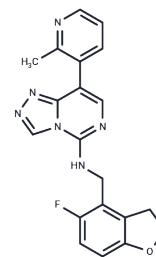


MAK683

Chemical Properties

CAS No. : 1951408-58-4
 Formula: C₂₀H₁₇N₆O
 Molecular Weight: 376.39
 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	MAK683 is an inhibitor of embryonic ectoderm development (EED) (IC ₅₀ s: 59, 89, 26 nM in EED Alphascreen binding, LC-MS and ELISA assay).
Targets(IC ₅₀)	Histone Methyltransferase
In vitro	After treatment 14 days, MAK683 has antiproliferative activities in B cell lymphoma cell KARPAS422 (IC ₅₀ : 30 nM) [1].

Solubility Information

Solubility	DMSO: 1.17 mg/mL (3.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6568 mL	13.2841 mL	26.5682 mL
5 mM	0.5314 mL	2.6568 mL	5.3136 mL
10 mM	0.2657 mL	1.3284 mL	2.6568 mL
50 mM	0.0531 mL	0.2657 mL	0.5314 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

Chan, Ho Man, et al. TRIAZOLOPYRIMIDINE COMPOUNDS AND USES THEREOF. US20160176882 A1.
Inhibition of EED-mediated histone methylation alleviates neuroinflammation by suppressing WNT-mediated dendritic cell migration

Huang D, et al. Binding Modes of Small-Molecule Inhibitors to the EED Pocket of PRC2. Chemphyschem. 2020 Feb 4;21(3):263-271.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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