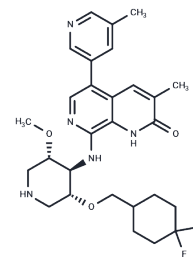


GSK8814

Chemical Properties

CAS No. : 1997369-78-4
 Formula: C₂₈H₃₅F₂N₅O₃
 Molecular Weight: 527.61
 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	GSK8814 is a selective and ATAD2/2B bromodomain chemical probe and inhibitor (binding constant pK _d =8.1 and a pK _i =8.9 in BROMOscan). GSK8814 displays 500-fold selectivity for ATAD2 over BRD4 BD1. GSK8814 binds to ATAD2 and BRD4 BD1 (pIC ₅₀ s: 7.3 and 4.6).
Targets(IC ₅₀)	Epigenetic Reader Domain

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8953 mL	9.4767 mL	18.9534 mL
5 mM	0.3791 mL	1.8953 mL	3.7907 mL
10 mM	0.1895 mL	0.9477 mL	1.8953 mL
50 mM	0.0379 mL	0.1895 mL	0.3791 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

- Bamborough P, et al. A Chemical Probe for the ATAD2 Bromodomain. *Angew Chem Int Ed Engl.* 2016 Sep 12;55(38):11382-6.
 Bamborough P, et al. Aiming to Miss a Moving Target: Bromo and Extra Terminal Domain (BET) Selectivity in Constrained ATAD2 Inhibitors. *J Med Chem.* 2018 Sep 27;61(18):8321-8336.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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