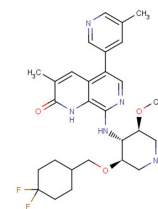


GSK8814

Chemical Properties

CAS No.:	1997369-78-4
Formula:	C ₂₈ H ₃₅ F ₂ N ₅ O ₃
Molecular Weight:	527.61
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**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)	ATAD2: 8 nM (k _i) BRD4 BD1: 4.6 (pIC ₅₀)

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.895 mL	9.477 mL	18.953 mL
5 mM	0.379 mL	1.895 mL	3.791 mL
10 mM	0.19 mL	0.948 mL	1.895 mL
50 mM	0.038 mL	0.19 mL	0.379 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Bamborough P, et al. A Chemical Probe for the ATAD2 Bromodomain. Angew Chem Int Ed Engl. 2016 Sep 12;55(38):11382-6.
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

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