

Product Data Sheet

Product Name: GSK8814

Cat. No.: GC60184

Chemical Properties

Cas. No. 1997369-78-4

SMILES O=C1NC2=C(N[C@H]3[C@H](OCC4CCC(F)(F)CC4)CNC[C@@H]3OC)N=CC(C5=CC(C)=CN=C5)=C2C=C1C

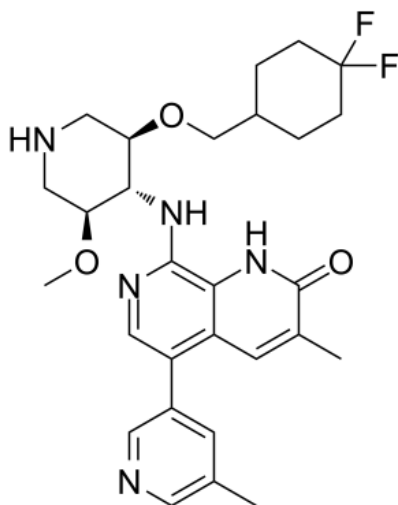
Formula $C_{28}H_{35}F_2N_5O_3$ M.Wt 527.61

Solubility Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

GSK8814 is a potent, selective, and ATAD2/2B bromodomain chemical probe and inhibitor, with a binding constant $pK_d=8.1$ and a $pK_i=8.9$ in BROMOscan. GSK8814 binds to ATAD2 and BRD4 BD1 with pIC_{50} s of 7.3 and 4.6, respectively. GSK8814 shows 500-fold selectivity for ATAD2 over BRD4 BD1[1].

[1]. Bamborough P, et al. A Chemical Probe for the ATAD2 Bromodomain. Angew Chem Int Ed Engl.

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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