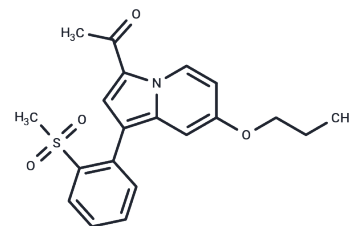


GSK2801

Chemical Properties

CAS No. : 1619994-68-1
Formula: C₂₀H₂₁NO₄S
Molecular Weight: 371.45
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GSK2801 is an effective, specific and cell active acetyl-lysine competitive inhibitor of BAZ2A(Kd: 136 nM) and BAZ2B(Kd: 257 nM) bromodomains.
Targets(IC50)	Apoptosis,Epigenetic Reader Domain
In vitro	In U2OS cells transfected with mutant BAZ2A (N1873F), GSK2801 (1 μM) accelerates FRAP half-recovery time by displacing BAZ2A from chromatin. [1]
In vivo	In male CD1 mice, GSK2801 (30 mg/kg, p.o. and i.p.) has reasonable in vivo exposure after oral dosing, modest clearance, and reasonable plasma stability. [1]

Solubility Information

Solubility	DMSO: 18.6 mg/mL (50 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6922 mL	13.4608 mL	26.9215 mL
5 mM	0.5384 mL	2.6922 mL	5.3843 mL
10 mM	0.2692 mL	1.3461 mL	2.6922 mL
50 mM	0.0538 mL	0.2692 mL	0.5384 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.

Reference

Chen P, et al. 2015. DOI: 10.1021/acs.jmedchem.5b00209

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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