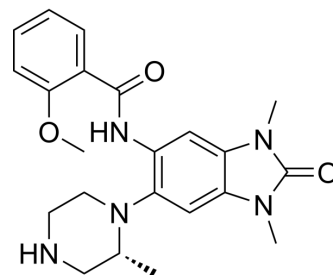


GSK6853

Cat. No.:	HY-100220		
CAS No.:	1910124-24-1		
Molecular Formula:	C ₂₂ H ₂₇ N ₅ O ₃		
Molecular Weight:	409.48		
Target:	Epigenetic Reader Domain		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (61.05 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.4421 mL	12.2106 mL	24.4212 mL
		5 mM	0.4884 mL	2.4421 mL	4.8842 mL
10 mM		0.2442 mL	1.2211 mL	2.4421 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.11 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.11 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.11 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	GSK6853 is a potent and selective inhibitor of the BRPF1 bromodomain. GSK6853 shows excellent BRPF1 potency (pK _d =9.5) and greater than 1600-fold selectivity over all other bromodomains ^[1] .
In Vivo	The ip route of administration would be suitable for dosing GSK6853 in potential PK/PD models ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bamborough P et al. GSK6853, a Chemical Probe for Inhibition of the BRPF1 Bromodomain. ACS Med Chem Lett. 2016 May 9;7(6):552-7.

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

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