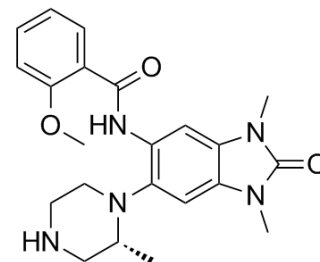


GSK6853

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	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 29 mg/mL (70.82 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Mass		
	1 mg	5 mg	10 mg
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.

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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