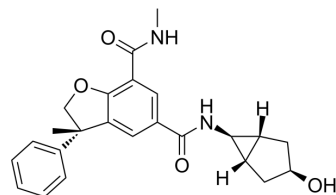


GSK852

Cat. No.:	HY-115867		
CAS No.:	2305842-30-0		
Molecular Formula:	C ₂₄ H ₂₆ N ₂ O ₄		
Molecular Weight:	406.47		
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 : 100 mg/mL (246.02 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4602 mL	12.3010 mL	24.6021 mL
	5 mM	0.4920 mL	2.4602 mL	4.9204 mL
	10 mM	0.2460 mL	1.2301 mL	2.4602 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (6.15 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

GSK852 is a highly potent, second bromodomain (BD2)-selective, bromo and extra-terminal domain (BET) inhibitor (pIC₅₀ = 7.9).

REFERENCES

[1]. Lucas SCC, et al. Optimization of a Series of 2,3-Dihydrobenzofurans as Highly Potent, Second Bromodomain (BD2)-Selective, Bromo and Extra-Terminal Domain (BET) Inhibitors. J Med Chem. 2021 Aug 12;64(15):10711-10741.

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

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