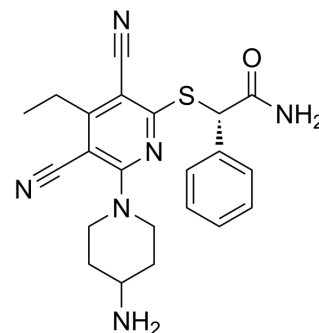


(S)-GSK-3685032

Cat. No.:	HY-139664B
CAS No.:	2170142-58-0
Molecular Formula:	C ₂₂ H ₂₄ N ₆ OS
Molecular Weight:	420.53
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 90 mg/mL (214.02 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.3780 mL	11.8898 mL	23.7795 mL
				5 mM	0.4756 mL	2.3780 mL	4.7559 mL
10 mM				0.2378 mL	1.1890 mL	2.3780 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: ≥ 4.5 mg/mL (10.70 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	(S)-GSK-3685032 is the isomer of GSK-3685032 (HY-139664), and can be used as an experimental control. GSK-3685032 is a non-time-dependent, noncovalently, first-in-class reversible DNMT1-selective inhibitor, with an IC ₅₀ of 0.036 μM. GSK-3685032 induces robust loss of DNA methylation, transcriptional activation, and cancer cell growth inhibition ^[1] .
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REFERENCES

[1]. Pappalardi MB, et al. Discovery of a first-in-class reversible DNMT1-selective inhibitor with improved tolerability and efficacy in acute myeloid leukemia. *Nat Cancer*. 2021;2(10):1002-1017.

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

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