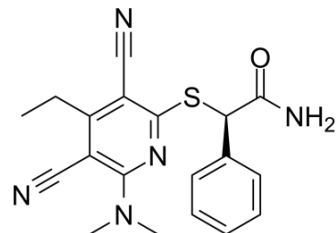


GSK-3484862

Cat. No.:	HY-135146		
CAS No.:	2170136-65-7		
Molecular Formula:	C ₁₉ H ₁₉ N ₅ OS		
Molecular Weight:	365.45		
Target:	DNA Methyltransferase		
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 : 20.83 mg/mL (57.00 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.7364 mL	13.6818 mL	27.3635 mL
	5 mM	0.5473 mL	2.7364 mL	5.4727 mL
	10 mM	0.2736 mL	1.3682 mL	2.7364 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: 2.08 mg/mL (5.69 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.08 mg/mL (5.69 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.08 mg/mL (5.69 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

GSK-3484862 is a non-covalent inhibitor for Dnmt1. GSK-3484862 induces DNA hypomethylation to against cancer^[1].

IC₅₀ & Target

DNMT1

REFERENCES

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

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