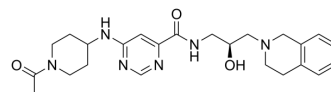


## GSK3326595

Cat. No.:	HY-101563		
CAS No.:	1616392-22-3		
Molecular Formula:	C <sub>24</sub> H <sub>32</sub> N <sub>6</sub> O <sub>3</sub>		
Molecular Weight:	452.55		
Target:	Histone 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 : 62.5 mg/mL (138.11 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.2097 mL	11.0485 mL	22.0970 mL
	5 mM	0.4419 mL	2.2097 mL	4.4194 mL
	10 mM	0.2210 mL	1.1049 mL	2.2097 mL

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

#### In Vivo

- Add each solvent one by one: 5% DMSO >> 40% PEG300 >> 5% Tween-80 >> 50% saline  
Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution
- Add each solvent one by one: 5% DMSO >> 95% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.08 mg/mL (4.60 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.08 mg/mL (4.60 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (4.60 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

GSK3326595 (EPZ015938) is a potent, selective, reversible inhibitor of protein arginine methyltransferase 5 (PRMT5) with an IC<sub>50</sub> of 6.2 nM<sup>[1]</sup>.

## CUSTOMER VALIDATION

- Nat Commun. 2021 Jun 8;12(1):3444.
- J Exp Clin Cancer Res. 2022 Oct 5;41(1):293.
- EMBO Mol Med. 2023 Jul 17;e17248.
- Cell Mol Life Sci. 2023 Jan 17;80(2):43.
- Oncogene. 2021 Apr;40(15):2711-2724.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

[1]. WO 2016022605 A1

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

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