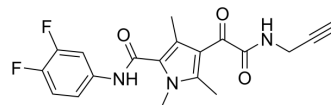


## GLP-26

Cat. No.:	HY-124614	
CAS No.:	2133017-36-2	
Molecular Formula:	C <sub>19</sub> H <sub>17</sub> F <sub>2</sub> N <sub>3</sub> O <sub>3</sub>	
Molecular Weight:	373.35	
Target:	HBV	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 2 years -20°C 1 year



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (334.81 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.6785 mL	13.3923 mL	26.7845 mL
		5 mM	0.5357 mL	2.6785 mL	5.3569 mL
10 mM		0.2678 mL	1.3392 mL	2.6785 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: ≥ 2.08 mg/mL (5.57 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.57 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	GLP-26 is a HBV capsid assembly modulators (CAM), inhibits HBV DNA replication in Hep AD38 system (IC <sub>50</sub> =3 nM), and reduces cccDNA by >90% at 1 μM. GLP-26 disrupts the encapsidation of pre-genomic RNA, causes nucleocapsid disassembly and reduces cccDNA pools <sup>[1]</sup> . GLP-26 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
In Vitro	GLP-26 (0.7-1.7 μM; 3 days) reduces secreted HBeAg in HepNTCP-DL cells transfected with HBV?wild type, with EC <sub>50</sub> values of 0.7 μM <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay <sup>[2]</sup>

Cell Line:	HepNTCP-DL cells
Concentration:	0.7-1.7 $\mu$ M
Incubation Time:	3 days
Result:	Reduced secreted HBeAg in HepNTCP-DL cells.

## CUSTOMER VALIDATION

- Viruses. 2022, 14(2), 174.

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

## REFERENCES

[1]. Nijampatnam B, et al. Recent advances in the development of HBV capsid assembly modulators. Curr Opin Chem Biol. 2019 Jun;50:73-79.

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

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