

GLP-26

## Chemical Properties

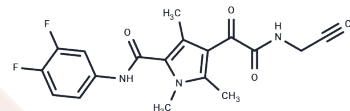
CAS No. : 2133017-36-2

Formula: C19H17F2N3O3

Molecular Weight: 373.35

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GLP-26, an HBV capsid assembly regulator (CAM), inhibits HBV DNA replication (IC <sub>50</sub> =3 nM) in the Hep AD38 system and reduces cccDNA by >90% at 1 μM. GLP-26 disrupts the encapsidation of pregenomic RNA, leading to nucleocapsid disassembly and reducing the cccDNA library.
Targets(IC <sub>50</sub> )	HBV
In vitro	Administration of 0.7-1.7 μM GLP-26 for 3 days reduces secreted HBeAg in HepNTCP-DL cells transfected with HBV wild type with EC <sub>50</sub> values of 0.7 μM[1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (267.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (10.71 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
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
50 mM	0.0536 mL	0.2678 mL	0.5357 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

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

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