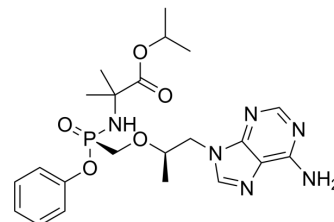


## Tenofovir amibufenamide

Cat. No.:	HY-137453
CAS No.:	1571076-26-0
Molecular Formula:	C <sub>22</sub> H <sub>31</sub> N <sub>6</sub> O <sub>5</sub> P
Molecular Weight:	490.49
Target:	HBV
Pathway:	Anti-infection
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 200 mg/mL (407.76 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0388 mL	10.1939 mL	20.3878 mL
	5 mM	0.4078 mL	2.0388 mL	4.0776 mL
	10 mM	0.2039 mL	1.0194 mL	2.0388 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Tenofovir amibufenamide (HS-10234), a Tenofovir prodrug, is an orally active antiviral agent. Tenofovir amibufenamide inhibits HBV, and can be used for chronic hepatitis B (CHB) study<sup>[1][2]</sup>.

### REFERENCES

- [1]. Zhihong Liu, et al. Randomised clinical trial: 48 weeks of treatment with tenofovir amibufenamide versus tenofovir disoproxil fumarate for patients with chronic hepatitis B. *Aliment Pharmacol Ther.* 2021 Nov;54(9):1134-1149.
- [2]. Hong Zhang, et al. Randomised clinical trial: safety, efficacy and pharmacokinetics of HS-10234 versus tenofovir for the treatment of chronic hepatitis B infection. *Aliment Pharmacol Ther.* 2021 Jan;53(2):243-252.

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

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