

(R,1R)-Tenofovir amibufenamide

Chemical Properties

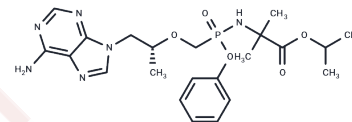
CAS No. : 1571076-37-3

Formula: C₂₂H₃₁N₆O₅P

Molecular Weight: 490.49

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

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| Description | (R,1R)-Tenofovir amibufenamide ((R,1R)-HS-10234) is an orally administered Tenofovir prodrug with antiviral activity. Tenofovir is a nucleotide reverse transcriptase inhibitor. |
| Targets(IC50) | Others,Antiviral |

Solubility Information

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|------------|--|
| Solubility | DMSO: 9 mg/mL (18.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
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Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 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 |
| 50 mM | 0.0408 mL | 0.2039 mL | 0.4078 mL |

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

Liu Z, Jin Q, Zhang Y, 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;54(9):1134-1149.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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