

## (Rac)-Tenofovir-D6

## Chemical Properties

CAS No. : 1020719-94-1

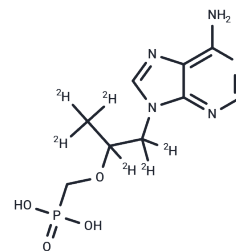
Formula: C<sub>9</sub>H<sub>8</sub>D<sub>6</sub>N<sub>5</sub>O<sub>4</sub>P

Molecular Weight: 293.25

Keep away from direct sunlight

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	(Rac)-Tenofovir-D6 is a deuterium-labelled tracer used for isotope tracing. (Rac)-Tenofovir is a nucleoside reverse transcriptase inhibitor used in the study of HIV and chronic hepatitis B.
Targets(IC50)	Others,HIV Protease,Reverse Transcriptase,HBV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4101 mL	17.0503 mL	34.1006 mL
5 mM	0.682 mL	3.4101 mL	6.8201 mL
10 mM	0.341 mL	1.705 mL	3.4101 mL
50 mM	0.0682 mL	0.341 mL	0.682 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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