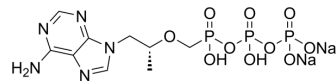


Tenofovir diphosphate disodium

Cat. No.:	HY-136548B
CAS No.:	2738719-07-6
Molecular Formula:	C ₉ H ₁₄ N ₅ Na ₂ O ₁₀ P ₃
Molecular Weight:	491.14
Target:	HIV
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (203.61 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mM	2.0361 mL	10.1804 mL
5 mM			0.4072 mL	2.0361 mL	4.0722 mL
10 mM			0.2036 mL	1.0180 mL	2.0361 mL

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

BIOLOGICAL ACTIVITY

Description

Tenofovir diphosphate disodium is an antiretroviral agent and an inhibitor of DNA polymerases. Tenofovir diphosphate disodium is a substrate of HIV-1 reverse transcriptase (RT). Tenofovir diphosphate disodium can be used for the research of Aids^[1].

CUSTOMER VALIDATION

- Hepatos Commun. 25 August 2021.

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REFERENCES

- [1]. Birkus G, et al. Tenofovir diphosphate is a poor substrate and a weak inhibitor of rat DNA polymerases alpha, delta, and epsilon*. Antimicrob Agents Chemother. 2002

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

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