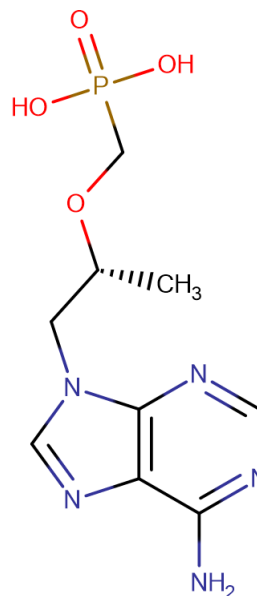


Product Name : Tenofovir
Synonyms : GS-1275; GS-1278; (R)-PMPA; TDF
Cat No. : M12019
CAS Number : 147127-20-6
Molecular Formula : C₉H₁₄N₅O₄P



Formula Weight : 287.21

Chemical Name : —

Description : Tenofovir disoproxil fumarate (a prodrug of tenofovir), marketed by Gilead Sciences under the trade name Viread, belongs to a class of antiretroviral drugs known as nucleotide analogue reverse transcriptase inhibitors (nRTIs), which block reverse transcriptase, an enzyme crucial to viral production in HIV-infected people.

Pathway : Microbiology/Virology

Target : Reverse Transcriptase

Receptor : Reverse Transcriptase

Solubility : Water: 2 mg/mL (6.96 mM); DMSO: 4 mg/mL warmed (13.92 mM)

SMILES : C[C@H](CN1C=NC2=C1N=CN=C2N)OCP(=O)(O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.Fung HB, et al. Clin Ther. 2002 Oct; 24(10):1515-48.