Tenofovir diphosphate triethylamine

Cat. No.: HY-136548A
CAS No.: 2122333-63-3
Molecular Formula: C₁₅H₃₁N₆O₁₀P₃
Molecular Weight: 548.36
Target: Reverse Transcriptase
Pathway: Anti-infection
Storage: -20°C, protect from light, stored under argon
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light, stored under argon)

BIOLOGICAL ACTIVITY

Description
Tenofovir diphosphate triethylamine (TFV-DP triethylamine) is a competitive DNA polymerases inhibitor (with respect to dATP) and a substrate of HIV type 1 (HIV-1) reverse transcriptase (RT)[1].

In Vitro
Tenofovir diphosphate acts as an inhibitor of DNA pol. Tenofovir-diphosphate is a weak inhibitor of DNA polymerases (pol) α, δ, and ε, with values for the Kᵢ for PMPApp (PMPAppKᵢ) relative to the Kᵢ for dATP (dATPKᵢ) of 10.2, 10.2, and 15.6, respectively[1].

REFERENCES


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