

Product Name	: BMS-986001
Synonyms	: BMS 986001; Censavudine; Festinavir; OBP-601; 4'-Ed4T
Cat No.	: M15398
CAS Number	: 634907-30-5
Molecular Formula	: C ₁₂ H ₁₂ N ₂ O ₄
Formula Weight	: 248.24
Chemical Name	: 1-[(2R,5R)-5-ethynyl-5-(hydroxymethyl)-2,5-dihydrofuran-2-yl]-5-methylpyrimidine-2,4(1H,3H)-dione
Description	: A thymidine analogue nucleoside reverse transcriptase inhibitor (NRTI) that inhibits HIV-2 isolates from treatment-naïve individuals with EC ₅₀ of 30-81 nM; inhibits isolates of HIV-1 with EC ₅₀ of 450-890 nM, also exhibits full activity against HIV-2 variants whose genomes encoded the single amino acid changes K65R and Q151M in reverse transcriptase. HIV Infection Phase 2 Clinical
Pathway	: Microbiology/Virology
Target	: HIV
Receptor	: HIV
Solubility	: —
SMILES	: <chem>O=C1NC(C(C)=CN1[C@@H]2O[C@@](CO)(C#C)C=C2)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Li Z, et al. Antimicrob Agents Chemother. 2013 Nov;57(11):5500-8. | 2. Wang F, et al. Antimicrob Agents Chemother. 2013 Dec;57(12):6205-12. | 3. Smith RA, et al. Antimicrob Agents Chemother. 2015 Dec;59(12):7437-46. | 4. Gupta SK, et al. Lancet HIV. 2016 Jan;3(1):e13-22.

