

Product Name	: Raltegravir
Synonyms	: MK-0518;MK 0518;MK0518
Cat No.	: M14807
CAS Number	: 518048-05-0
Molecular Formula	: C ₂₀ H ₂₁ FN ₆ O ₅
Formula Weight	: 444.42
Chemical Name	: 4-Pyrimidinecarboxamide, N-[(4-fluorophenyl)methyl]-1,6-dihydro-5-hydroxy-1-methyl-2-[1-methyl-1-[(5-methyl-1,3,4-oxadiazol-2-yl)carbonyl]amino]ethyl]-6-oxo-
Description	: A potent, selective, orally bioavailable HIV-integrase inhibitor with IC ₅₀ of 15 nM; essentially inactive (IC ₅₀ s>50 uM) against HCV Pol, HIV RT, HIV RNase-H, and human α/β/γ Pol; shows inhibitory activity against the wild type virus and a selection of mutants; the first HIV-integrase inhibitor for the treatment of HIV-1 infection.HIV Infection Approved
Pathway	: Microbiology/Virology
Target	: HIV
Receptor	: Integrase(S217QPFV);Integrase(WTPFV)
Solubility	: 10 mM in DMSO
SMILES	: CC1=NN=C(O1)C(=O)NC(C)(C)C2=NC(=C(C(=O)N2C)O)C(=O)NCC3=CC=C(C=C3)F
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Summa V, et al. J Med Chem. 2008 Sep 25;51(18):5843-55.| 2. Malet I, et al. Antimicrob Agents Chemother. 2008 Apr;52(4):1351-8.| 3. Cooper DA, et al. N Engl J Med. 2008 Jul 24;359(4):355-65.