

Product Name	: Saquinavir
Synonyms	: Ro 31-8959
Cat No.	: M11152
CAS Number	: 127779-20-8
Molecular Formula	: C ₃₈ H ₅₀ N ₆ O ₅
Formula Weight	: 670.84
Chemical Name	: Butanediamide, N1-[(1S,2R)-3-[(3S,4aS,8aS)-3-[[[(1,1-dimethylethyl)amino]carbonyl]octahydro-2(1H)-isoquinolinyl]-2-hydroxy-1-(phenylmethyl)propyl]-2-[(2-quinolinylcarbonyl)amino]-, (2S)-
Description	: Apotent and selective inhibitor of HIV-1 protease with IC ₅₀ of 0.5-6 nM in cell assays; binds to the active site of the viral protease and prevents cleavage of viral polypeptides, preventing maturation of the virus; inhibits both HIV-1 and HIV-2 proteases; used to treat or prevent HIV/AIDS. HIV Infection Approved
Pathway	: Microbiology/Virology
Target	: HIV
Receptor	: HIV
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC(C)(C)NC(=O)C1CC2CCCCC2CN1CC(C)(CC3=CC=CC=C3)NC(=O)C(CC(=O)N)NC(=O)C4=NC5=CC=CC=C5C=C4)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Martin JA, et al. Biochem Biophys Res Commun. 1991 Apr 15;176(1):180-8. | 2. Craig JC, et al. Antiviral Res. 1991 Dec; 16(4):295-305. | 3. Krusslich HG. J Virol. 1992 Jan; 66(1):567-72.