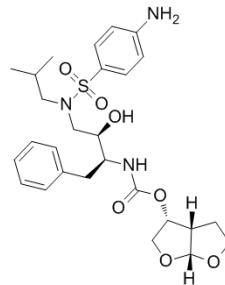


<b>Product Name</b>	: Darunavir
<b>Synonyms</b>	: TMC-114;UIC-94017
<b>Cat No.</b>	: M13207
<b>CAS Number</b>	: 206361-99-1
<b>Molecular Formula</b>	: C <sub>27</sub> H <sub>37</sub> N <sub>3</sub> O <sub>7</sub> S
<b>Formula Weight</b>	: 547.66
<b>Chemical Name</b>	: Carbamic acid, N-[(1S,2R)-3-[[[(4-aminophenyl)sulfonyl](2-methylpropyl)amino]-2-hydroxy-1-(phenylmethyl)propyl]-, (3R,3aS,6aR)-hexahydrofuro[2,3-b]furan-3-yl ester
<b>Description</b>	: A potent, selective HIV-1 protease inhibitor that is extremely potent against laboratory HIV-1 strains and primary clinical isolates with IC <sub>50</sub> of 3 nM, IC <sub>90</sub> of 9 nM; blocks the infectivity and replication of HIV-1(NL4-3) variants with IC <sub>50</sub> of 3-29 nM, also potent against multi-PI-resistant clinical HIV-1 variants isolated from patients; used to treat and prevent HIV/AIDS.HIV Infection Approved
<b>Pathway</b>	: Microbiology/Virology
<b>Target</b>	: HIV
<b>Receptor</b>	: HIV/Protease
<b>Solubility</b>	: 10 mM in DMSO
<b>SMILES</b>	: CC(C)CN(C[C@H]([C@H](CC1=CC=CC=C1)NC(=O)O[C@H]2CO[C@@H]3[C@H]2CCO3)O)S(=O)(=O)C4=CC=C(C=C4)N
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:



1. Surleraux DL, et al. J Med Chem. 2005 Mar 24;48(6):1813-22.| 2. Koh Y, et al. Antimicrob Agents Chemother. 2003 Oct;47(10):3123-9.| 3. King NM, et al. J Virol. 2004 Nov;78(21):12012-21.