



Product Information

HIV protease inhibitor Amprenavir, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ955

Size: 5 mg; 10 mg; 25 mg; 50 mg

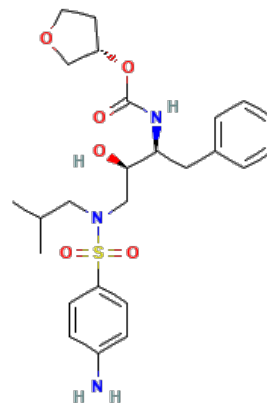
MDL: MFCD00934214

CAS Number: 161814-49-9

Compound CID: 65016

Synonym: 161814-49-9; HIV protease inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Amprenavir, soluble in DMSO and ethanol and insoluble in water, blocks the protease enzyme, essential for the maturation and replication of HIV, playing a key role in highly active antiretroviral therapy (HAART). It targets HIV protease and PXR.
Molecular Weight	505.63
Molecular Formula	C ₂₅ H ₃₅ N ₃ O ₆ S
Targets	HIV protease: 14.6 ng/mL; PXR
IUPAC Name	[(3S)-oxolan-3-yl] N-[(2S,3R)-4-[(4-aminophenyl)sulfonyl-(2-methylpropyl)amino]-3-hydroxy-1-phenylbutan-2-yl]carbamate
InChI	InChI=1S/C25H35N3O6S/c1-18(2)15-28(35(31,32)22-10-8-20(26)9-11-22)16-24(29)23(14-19-6-4-3-5-7-19)27-25(30)34-21-12-13-33-17-21/h3-11,18,21,23-24,29H,12-17,26H2,1-2H3,(H,27,30)/t21-,23-,24+/m0/s1
InChI Key	YMARZQAQMVYCKC-OEMFJLHTSA-N
Canonical SMILES	CC(C)CN(CC(C(CC1=CC=CC=C1)NC(=O)OC2CCOC2)O)S(=O)(=O)C3=CC=C(C=C3)N
Isomeric SMILES	CC(C)CN(C[C@H])([C@H](CC1=CC=CC=C1)NC(=O)O[C@H]2CCOC2)O)S(=O)(=O)C3=CC=C(C=C3)N
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 15 mg/mL (29.66 mM); Water: Insoluble; Ethanol: 91 mg/mL (179.97 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.



Quality Level	Research grade
Applications	Amprenavir serves as an HIV protease inhibitor, preventing the proteolytic cleavage of precursor proteins necessary for the production of infectious viral particles.
Storage	Store at -20°C, and keep desiccated.
