



Product Information

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

Cat. No.: X24-06-ZQ965

Size: 10 mg; 25 mg; 50 mg; 100 mg

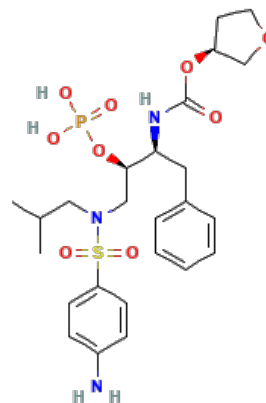
CAS Number: 226700-79-4

Compound CID: 131536

Synonym: 226700-79-4; HIV protease inhibitor;

Gw433908;Aids082186;Aids-082186;Amprenavir phosphate

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



Product Information

Description	Fosamprenavir blocks the protease enzyme, essential for the maturation and replication of HIV, playing a key role in highly active antiretroviral therapy (HAART).
Molecular Weight	585.6
Molecular Formula	C ₂₅ H ₃₆ N ₃ O ₉ PS
IUPAC Name	[(3S)-oxolan-3-yl] N-[(2S,3R)-4-[(4-aminophenyl)sulfonyl-(2-methylpropyl)amino]-1-phenyl-3-phosphonooxybutan-2-yl]carbamate
InChI	InChI=1S/C25H36N3O9PS/c1-18(2)15-28(39(33,34)22-10-8-20(26)9-11-22)16-24(37-38(30,31)32)23(14-19-6-4-3-5-7-19)27-25(29)36-21-12-13-35-17-21/h3-11,18,21,23-24H,12-17,26H2,1-2H3,(H,27,29)(H2,30,31,32)/t21-,23-,24+/m0/s1
InChI Key	MLBVMOWEQCZNCC-OEMFJLHTSA-N
Canonical SMILES	CC(C)CN(CC(C(CC1=CC=CC=C1)NC(=O)OC2CCOC2)OP(=O)(O)OS(=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)OP(=O)(O)OS(=O)(=O)C3=CC=C(C=C3)N
Form	Lyophilized powder
Purity	$\geq 98\%$
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	Fosamprenavir is studied for inhibiting HIV protease, preventing viral maturation.



Storage

Store at -20°C, and keep desiccated.
