



Product Information

HIV protease inhibitor DPC-681, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ150

Size: 1 mg; 5 mg; 10 mg; 50 mg

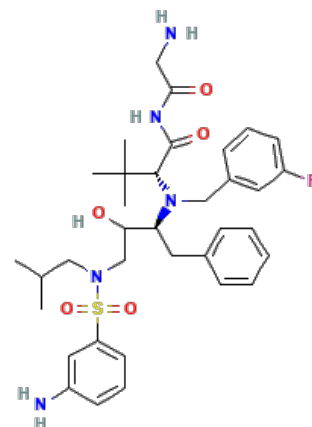
CAS Number: 284661-68-3

Compound CID: 3083536

Synonym: 284661-68-3; HIV protease inhibitor; DPC681; DPC 681; DPH-153893;

DPH 153893; DPH153893

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



Product Information

Description	DPC-681 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-1.
Molecular Weight	669.85
Molecular Formula	C ₃₅ H ₄₈ FN ₅ O ₅ S
Targets	HIV-1
IUPAC Name	(2 <i>R</i>)- <i>N</i> -(2-aminoacetyl)-2-[[[(2 <i>S</i>)-4-[(3-aminophenyl)sulfonyl-(2-methylpropyl)amino]-3-hydroxy-1-phenylbutan-2-yl]-[(3-fluorophenyl)methyl]amino]-3,3-dimethylbutanamide
InChI	InChI=1S/C35H48FN5O5S/c1-24(2)21-40(47(45,46)29-16-10-15-28(38)19-29)23-31(42)30(18-25-11-7-6-8-12-25)41(22-26-13-9-14-27(36)17-26)33(35(3,4)5)34(44)39-32(43)20-37/h6-17,19,24,30-31,33,42H,18,20-23,37-38H2,1-5H3,(H,39,43,44)/t30-,31?,33-/m0/s1
InChI Key	BHPRDABYBCABNU-NCNGZOBXSA-N
Canonical SMILES	<chem>CC(C)CN(CC(C)CC1=CC=CC=C1N(CC2=CC(=CC=C2)F)C(C(=O)NC(=O)CN)C(C)(C)O)S(=O)(=O)C3=CC=CC(=C3)N</chem>
Isomeric SMILES	<chem>CC(C)CN(CC([C@H])(CC1=CC=CC=C1)N(CC2=CC(=CC=C2)F)[C@@H](C(=O)NC(=O)CN)C(C)(C)O)S(=O)(=O)C3=CC=CC(=C3)N</chem>
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	DPC-681 is researched as an HIV protease inhibitor aimed at preventing HIV maturation within cells.
Storage	Store at -20°C, and keep desiccated.
