



Product Information

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

Cat. No.: X24-06-ZQ926

Size: 25 mg; 50 mg; 100 mg; 200 mg

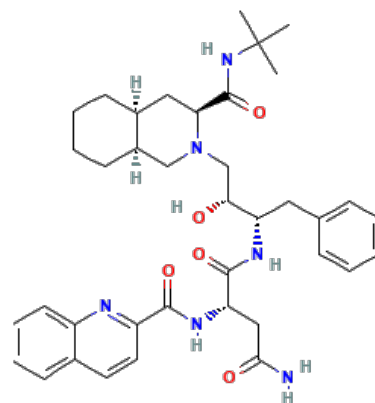
MDL: MFCD00866925

CAS Number: 127779-20-8

Compound CID: 441243

Synonym: 127779-20-8; HIV protease inhibitor

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



Product Information

Description	Saquinavir 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-2 and SARS-CoV 3CL.
Molecular Weight	670.85
Molecular Formula	C ₃₈ H ₅₀ N ₆ O ₅
Targets	HIV-2; SARS-CoV 3CL: 1.36 μ M
IUPAC Name	(2S)-N-[(2S,3R)-4-[(3S,4aS,8aS)-3-(tert-butylcarbamoyl)-3,4,4a,5,6,7,8,8a-octahydro-1H-isoquinolin-2-yl]-3-hydroxy-1-phenylbutan-2-yl]-2-(quinoline-2-carbonylamino)butanediamide
InChI	InChI=1S/C38H50N6O5/c1-38(2,3)43-37(49)32-20-26-14-7-8-15-27(26)22-44(32)23-33(45)30(19-24-11-5-4-6-12-24)41-36(48)31(21-34(39)46)42-35(47)29-18-17-25-13-9-10-16-28(25)40-29/h4-6,9-13,16-18,26-27,30-33,45H,7-8,14-15,19-23H2,1-3H3,(H2,39,46)(H,41,48)(H,42,47)(H,43,49)/t26-,27+,30-,31-,32-,33+/m0/s1
InChI Key	QWAXKHKRTORELM-UGJKXSETSA-N
Canonical SMILES	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
Isomeric SMILES	CC(C)(C)NC(=O)[C@@H]1C[C@@H]2CCCC[C@@H]2CN1C[C@H]([C@H](CC3=CC=CC=C3)NC(=O)[C@H](CC(=O)N)NC(=O)C4=NC5=CC=CC=C5C=C4)O
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

Saquinavir is an HIV protease inhibitor, crucial for studies on impeding viral polyprotein cleavage.

Storage

Store at -20°C, and keep desiccated.