



Product Information

HIV integrase inhibitor BI 224436, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ036

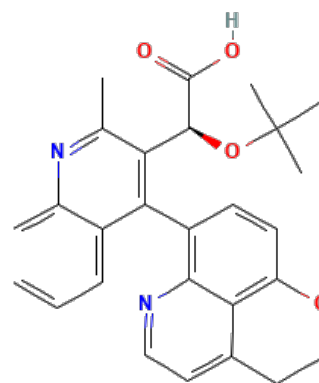
Size: 5 mg; 10 mg; 50 mg

CAS Number: 1155419-89-8

Compound CID: 66561902

Synonym: 1155419-89-8; HIV integrase inhibitor; BI224436; BI-224436

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



Product Information

Description	BI 224436 blocks the action of the integrase enzyme, which is crucial for the HIV virus to integrate its genetic material into the host cell's DNA, thereby impeding the virus's ability to replicate and spread.
Molecular Weight	442.51
Molecular Formula	C ₂₇ H ₂₆ N ₂ O ₄
IUPAC Name	(2S)-2-[2-methyl-4-(2-oxa-8-azatricyclo[7.3.1.0.5,13]trideca-1(13),5,7,9,11-pentaen-10-yl)quinolin-3-yl]-2-[(2-methylpropan-2-yl)oxy]acetic acid
InChI	InChI=1S/C27H26N2O4/c1-15-21(25(26(30)31)33-27(2,3)4)23(17-7-5-6-8-19(17)29-15)18-9-10-20-22-16(12-14-32-20)11-13-28-24(18)22/h5-11,13,25H,12,14H2,1-4H3,(H,30,31)/t25-m/s1
InChI Key	MIXIJCBELECMCZ-VWLOTQADSA-N
Canonical SMILES	CC1=NC2=CC=CC=C2C(=C1C(C(=O)O)OC(C)(C)C)C3=C4C5=C(C=C3)OCCC5=CC=N4
Isomeric SMILES	CC1=NC2=CC=CC=C2C(=C1[C@@H](C(=O)O)OC(C)(C)C)C3=C4C5=C(C=C3)OCCC5=CC=N4
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	BI 224436 is an HIV integrase inhibitor used to investigate the blocking of the viral integration process, aiding in the development of new antiretroviral therapies.



Storage

Store at -20°C, and keep desiccated.
