



Product Information

CCR inhibitor Nifeviroc, Purity ≥98%

Cat. No.: X24-07-ZQ180

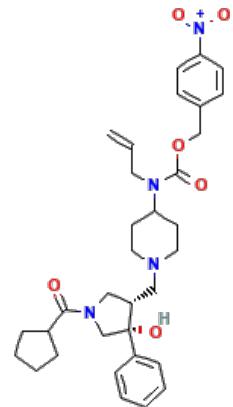
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 934740-33-7

Compound CID: 16663418

Synonym: 934740-33-7; CCR inhibitor; TD-0232; TD0232; TD 0232

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



Product Information

Description	Nifeviroc specifically binds to chemokine receptors. This binding blocks the receptors and prevents the corresponding chemokines from exerting their effects on immune cells, leading to reduced chemotaxis and cell activation.
Molecular Weight	590.72
Molecular Formula	C ₃₃ H ₄₂ N ₄ O ₆
IUPAC Name	(4-Nitrophenyl)methyl N-[1-[(3S,4R)-1-(cyclopentane carbonyl)-4-hydroxy-4-phenylpyrrolidin-3-yl]methyl]piperidin-4-yl]-N-prop-2-enylcarbamate
InChI	InChI=1S/C33H42N4O6/c1-2-18-36(32(39)43-23-25-12-14-30(15-13-25)37(41)42)29-16-19-34(20-1 7-29)21-28-22-35(31(38)26-8-6-7-9-26)24-33(28,40)27-10-4-3-5-11-27/h2-5,10-15,26,28-29,40H,1,6 -9,16-24H2/t28-,33-/m0/s1
InChI Key	JNSKQYZFEVKYDB-UVMMSNCQSA-N
Canonical SMILES	C=CCN(C1CCN(CC1)CC2CN(CC2(C3=CC=CC=C3)O)C(=O)C4CCCC4)C(=O)OCC5=CC=C(C=C5)[N+](=O)[O-]
Isomeric SMILES	C=CCN(C1CCN(CC1)C[C@H]2CN(C[C@H]2(C3=CC=CC=C3)O)C(=O)C4CCCC4)C(=O)OCC5=CC=C(C=C5)[N+](=O)[O-]
Form	Lyophilized powder
Purity	≥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	Nifeviroc is examined for its role in blocking chemokine receptor CCR5, contributing to HIV infection prevention and treatment.
Storage	Store at -20°C, and keep desiccated.