CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

CCR5 antagonist 1, Purity ≥98%

Cat. No.: X24-07-ZQ144

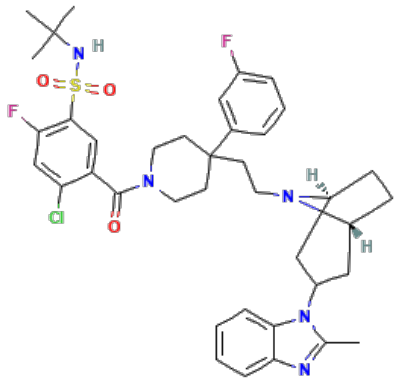
Size: 1 mg; 5 mg; 10 mg; 50 mg

CAS Number: 716354-86-8

Compound CID: 11216356

Synonym: 716354-86-8; CCR5 antagonist

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



Product Information

Description	CCR5 antagonist 1 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. It targets CCR5 and HIV.
Molecular Weight	738.33
Molecular Formula	$C_{39}H_{46}ClF_2N_5O_3S$
Targets	CCR5; HIV
IUPAC Name	*N-tert* -butyl-4-chloro-2-fluoro-5-[4-(3-fluorophenyl)-4-[2-[(1*R*,5*S*)-3-(2-methylbenzimidazol-1-yl)-8-azabicyclo[3.2.1]octan-8-yl]ethyl]piperidine-1-carbonyl]benzenesulfonamide
InChI	InChI=1S/C39H46ClF2N5O3S/c1-25-43-34-10-5-6-11-35(34)47(25)30-21-28-12-13-29(22-30)46(28)19-16-39(26-8-7-9-27(41)20-26)14-17-45(18-15-39)37(48)31-23-36(33(42)24-32(31)40)51(49,50)44-38(2,3)4/h5-11,20,23-24,28-30,44H,12-19,21-22H2,1-4H3/t28-,29+,30?
InChI Key	ZYJBOSYROBLSKR-BWMKXQIXSA-N
Canonical SMILES	CC1=NC2=CC=CC=C2N1C3CC4CCC(C3)N4CCC5(CCN(CC5)C(=O)C6=CC(=C(C=C6Cl)F)S(=O)(=O)NC(C)(C)C)C7=CC(=CC=C7)F
Isomeric SMILES	CC1=NC2=CC=CC=C2N1C3C[C@H]4CC[C@@H](C3)N4CCC5(CCN(CC5)C(=O)C6=CC(=C(C=C6Cl)F)S(=O)(=O)NC(C)(C)C)C7=CC(=CC=C7)F
Form	Lyophilized powder
Purity	≥98%

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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	CCR5 antagonist 1 is studied for its ability to block the CCR5 receptor, which is involved in HIV entry into cells, contributing to HIV research.
Storage	Store at -20ºC, and keep desiccated.