



Product Information

CCR inhibitor CCR2-RA-[R], Purity ≥98%

Cat. No.: X24-07-ZQ149

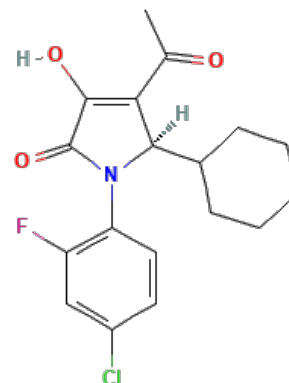
Size: 5 mg; 10 mg; 50 mg; 100 mg

CAS Number: 512177-83-2

Compound CID: 12093170

Synonym: 512177-83-2; CCR inhibitor

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



Product Information

Description	CCR2-RA-[R] 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 CCR2.
Molecular Weight	351.8
Molecular Formula	C ₁₈ H ₁₉ ClFNO ₃
Targets	CCR2: 103 nM (IC ₅₀ , in U2OS-CCR2 cells)
IUPAC Name	(2R)-3-acetyl-1-(4-chloro-2-fluorophenyl)-2-cyclohexyl-4-hydroxy-2H-pyrrol-5-one
InChI	InChI=1S/C18H19ClFNO3/c1-10(22)15-16(11-5-3-2-4-6-11)21(18(24)17(15)23)14-8-7-12(19)9-13(14)20/h7-9,11,16,23H,2-6H2,1H3/t16-/m1/s1
InChI Key	VQNLJXWZGVRLBA-MRXNPFEDSA-N
Canonical SMILES	CC(=O)C1=C(C(=O)N(C1C2CCCCC2)C3=C(C=C(C=C3)Cl)F)O
Isomeric SMILES	CC(=O)C1=C(C(=O)N([C@@H]1C2CCCCC2)C3=C(C=C(C=C3)Cl)F)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	CCR2-RA-[R] is studied to antagonize CCR2, a receptor involved in immune cell migration, with implications in treating inflammatory diseases.



Storage

Store at -20°C, and keep desiccated.
