



Product Information

CCR antagonist BX471 hydrochloride, Purity ≥98%

Cat. No.: X23-10-ZQ738

Size: 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

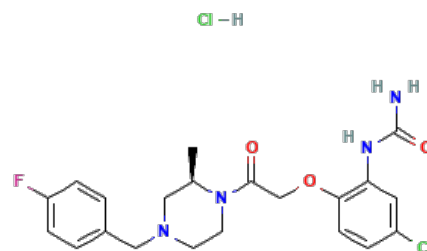
CAS Number: 288262-96-4

Compound CID: 5311124

Synonym: BX471 hydrochloride; 288262-96-4; BX471 (hydrochloride); ZK-811752

hydrochloride; ZK-811752; L350B5LO1J; CCR antagonist

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



Product Information

Description	BX471 hydrochloride stimulates CCR receptors. The receptors bind to chemokines, which are signaling proteins that direct the migration of immune cells to sites of inflammation, infection, or injury.
Molecular Weight	471.35
Molecular Formula	C ₂₁ H ₂₅ Cl ₂ FN ₄ O ₃
IUPAC Name	[5-Chloro-2-[[2-[(2R)-4-[(4-fluorophenyl)methyl]-2-methylpiperazin-1-yl]-2-oxoethoxy]phenyl]urea;hydrochloride
InChI	InChI=1S/C21H24ClFN4O3.ClH/c1-14-11-26(12-15-2-5-17(23)6-3-15)8-9-27(14)20(28)13-30-19-7-4-16(22)10-18(19)25-21(24)29;/h2-7,10,14H,8-9,11-13H2,1H3,(H3,24,25,29);1H/t14-;/m1./s1
InChI Key	FRUCNQBAWUHKLS-PFEQFJNWSA-N
Canonical SMILES	CC1CN(CCN1C(=O)COC2=C(C=C(C=C2)Cl)NC(=O)N)CC3=CC=C(C=C3)F.Cl
Isomeric SMILES	C[C@@H]1CN(CCN1C(=O)COC2=C(C=C(C=C2)Cl)NC(=O)N)CC3=CC=C(C=C3)F.Cl
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.
Applications	BX471 hydrochloride can be used to study its effects as a CCR1 receptor antagonist in inflammatory diseases.
Storage	Store at -20°C.



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