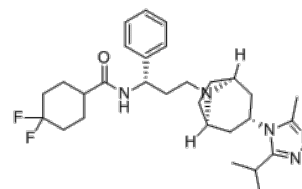

Product Name	: Maraviroc
Cat. No.	: PC-21897
CAS No.	: 376348-65-1
Molecular Formula	: C ₂₉ H ₄₁ F ₂ N ₅ O
Molecular Weight	: 513.68
Target	: Chemokine Receptor (CCR and CXCR)
Solubility	: 10 mM in DMSO



Biological Activity

Maraviroc (UK-427857) is a potent, selective and orally bioavailable CCR5 inhibitor with IC₅₀ of 3.3 nM, 7.2 nM and 5.2 nM for MIP-1 α , MIP-1 β and RANTES binding to cell membrane preparations of CCR5-expressing HEK-293, shows broad-spectrum activity against HIV-1.

Maraviroc (UK-427857) shows potent antiviral activity against the 43 primary CCR5-tropic HIV-1 isolates with a geometric mean IC₉₀ of 2.0 nM.

Maraviroc (UK-427857) does not affect CCR5 cell surface levels or associated intracellular signaling.

Maraviroc (UK-427857) has no detectable in vitro cytotoxicity and is highly selective for CCR5, as confirmed against a wide range of receptors and enzymes, including the hERG ion channel.

References

Dorr P, et al. Antimicrob Agents Chemother. 2005 Nov;49(11):4721-32.

Wood A, et al. Prog Med Chem. 2005;43:239-71.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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