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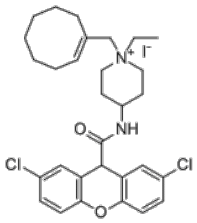
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	J-113863
Cat. No.	:	PC-20542
CAS No.	:	353791-85-2
Molecular Formula	:	$C_{30}H_{37}Cl_2IN_2O_2$
Molecular Weight	:	655.44
Target	:	Chemokine Receptor (CCR and CXCR)
Solubility	:	10 mM in DMSO



CAS: 353791-85-2

Biological Activity

J-113863 is a potent, selective, non-peptide antagonist of CCR1 with IC50 of 0.9 and 5.8 nM for human and mouse CCR1 receptors, respectively.
J-113863 is inactive against CCR2, CCR4 and CCR5, as well as the LTB4 or TNF-α receptors.
J-113863 is also a potent antagonist of the human CCR3 (IC50=0.58 nM), but a weak antagonist of the mouse CCR3 (IC50=460 nM).
J-113863 improved paw inflammation and joint damage, and dramatically decreased cell infiltration into joints.
J-113863 did not inhibit IL-2 or DTH, but reduced plasma TNFα levels in LPS-treated mice.
J-113863 prevents the progression of in collagen-induced arthritis (CIA) model.

References

Amat M, et al. Br J Pharmacol. 2006 Nov;149(6):666-75.

Price PJ, et al. J Virol. 2014 Sep;88(18):10840-50.

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

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