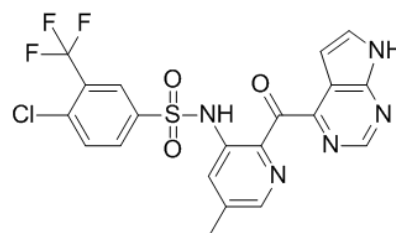


Product Name : CCX140
Cat. No. : PC-42417
CAS No. : 1100318-47-5
Molecular Formula : C₂₀H₁₃ClF₃N₅O₃S
Molecular Weight : 495.8621296
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

CCX140 (Ilacirnon, CCX140B) is a potent, selective, orally bioavailable **CCR2** antagonist with K_d of 2.3 nM for hCCR2. CCX140 (CCX140B) displays little to no activity against 142 various biologically important receptor, no effect on plasma levels of the CCR2 ligand CCL2 or on the numbers of blood monocytes. CCX140 (CCX140B) potently inhibits CCL2-induced chemotaxis of purified human blood monocytes with IC₅₀ of 8 nM, also inhibits CCL2-induced Ca²⁺ mobilization in monocytes with IC₅₀ of 3 nM. CCX140 (CCX140B) decreases levels of fasting blood glucose and improves insulin sensitivity in mice.

References

- Sullivan TJ, et al. *J Pharmacol Exp Ther*. 2012 Jun 5. doi: 10.1124/jpet.111.190918.
 Sullivan TJ, et al. *Metabolism*. 2013 Nov;62(11):1623-32.
 Sullivan T, et al. *Am J Physiol Renal Physiol*. 2013 Nov 1;305(9):F1288-97.

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

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