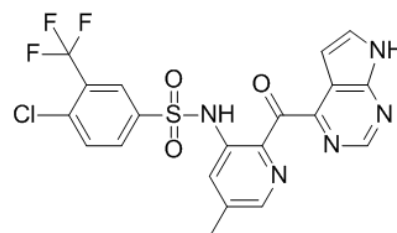


**Product Name** : CCX140  
**Cat. No.** : PC-42417  
**CAS No.** : 1100318-47-5  
**Molecular Formula** : C<sub>20</sub>H<sub>13</sub>ClF<sub>3</sub>N<sub>5</sub>O<sub>3</sub>S  
**Molecular Weight** : 495.8621296  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CCX140 (CCX140B) is a potent, selective, orally bioavailable **CCR2** antagonist with K<sub>d</sub> 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 IC<sub>50</sub> of 8 nM, also inhibits CCL2-induced Ca<sup>2+</sup> mobilization in monocytes with IC<sub>50</sub> 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!**

E-mail: tech@probechem.com