MOLNOVA
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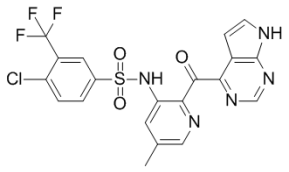
Datasheet (Version 1.0)

Product Name	:	CCX140
Synonyms	:	CCX-140;CCX 140;CCX140-B;CCX140B
Cat No.	:	M10382
CAS Number	:	1100318-47-5
Molecular Formula	:	C20H13ClF3N5O3S
Formula Weight	:	495.86
Chemical Name	:	Benzenesulfonamide, 4-chloro-N-[5-methyl-2-(7H-pyrrolo[2,3-d]pyrimidin-4-ylcarbonyl)-3-pyridinyl]-3-(trifluoromethyl)-
Description	:	A potent, selective, orally bioavailable CCR2 antagonist with Kd of 2.3 nM for hCCR2; 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; 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; decreases levels of fasting blood glucose and improves insulin sensitivity in mice.Diabetes Phase 2 Clinical
Pathway	:	GPCR/G Protein
Target	:	Chemokine Receptor
Receptor	:	Chemokine Receptor
Solubility	:	10 mM in DMSO
SMILES	:	O=S(C1=CC=C(Cl)C(C(F)(F)F)=C1)(NC2=CC(C)=CN=C2C(C3=C4C(NC=C4)=NC=N3)=O)=O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Sullivan TJ, et al. J Pharmacol Exp Ther. 2012 Jun 5. doi: 10.1124/jpet.111.190918.| 2. Sullivan TJ, et al. Metabolism. 2013 Nov;62(11):1623-32.| 3. Sullivan T, et al. Am J Physiol Renal Physiol. 2013 Nov 1;305(9):F1288-97.