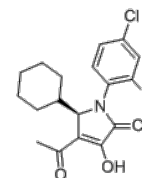


**Product Name** : CCR2-RA-[R]  
**Cat. No.** : PC-60323  
**CAS No.** : 512177-83-2  
**Molecular Formula** : C<sub>18</sub>H<sub>19</sub>ClFNO<sub>3</sub>  
**Molecular Weight** : 351.802  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

CCR2-RA-[R] is a potent, selective, allosteric **CCR2** antagonist with IC<sub>50</sub> of 103 nM.

CCR2-RA-[R] displaces [<sup>125</sup>I]CCL2 from CCR2 with an pIC<sub>50</sub> value of 6.1. The pK<sub>D</sub> of CCR2-RA-[R] for CCR2 and CCR5 is 8.8±0.1 and 7.0±0.1, respectively.

CCR2-RA-[R] inhibits CCR2 non-competitively by blocking activation-associated conformational changes and formation of the G protein-binding interface.

## References

Zheng Y, et al. *Nature*. 2016 Dec 15;540(7633):458-461.

Zweemer AJ, et al. *Mol Pharmacol*. 2013 Oct;84(4):551-61.

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

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