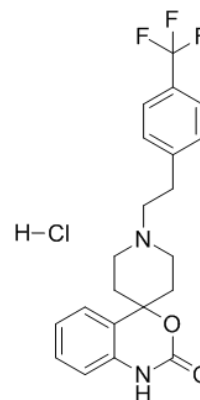


**Product Name** : RS102895 hydrochloride  
**Cat. No.** : PC-45482  
**CAS No.** : 1173022-16-6  
**Molecular Formula** : C<sub>21</sub>H<sub>22</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 426.8598  
**Target** : Chemokine Receptor (CCR and CXCR)  
**Solubility** : DMSO: ≥ 28 mg/mL



## Biological Activity

RS102895 hydrochloride is a potent and specific **CCR2** antagonist with binding IC<sub>50</sub> of 360 nM.

RS102895 shows no significant affinity on CXCR1, CCR1, or CCR3. (IC<sub>50</sub>>17 μM).

RS102895 inhibits MCP-1-stimulated calcium influx into CCR2-CHL cells with IC<sub>50</sub> of 32 nM.

RS102895 significantly attenuates HG-induced ECM protein expression and TGF-beta1 levels in mouse mesangial cells (MCs).

## References

Mirzadegan T, et al. *J Biol Chem*. 2000 Aug 18;275(33):25562-71.

Park J, et al. *Am J Physiol Renal Physiol*. 2008 Sep;295(3):F749-57.

Hung YW, et al. *J Neuroinflammation*. 2013 Jan 22;10:11.

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

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