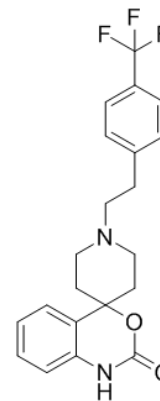


Product Name : RS102895
Cat. No. : PC-45483
CAS No. : 300815-41-2
Molecular Formula : C₂₁H₂₁F₃N₂O₂
Molecular Weight : 390.3989
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

RS-102895 (Abaucin, RS102895) is a potent and specific **CCR2** antagonist with binding IC₅₀ of 360 nM, also is a narrow-spectrum activity against *A. baumannii*.

RS-102895 shows no significant affinity on CXCR1, CCR1, or CCR3 (IC₅₀>17 μM).

RS-102895 inhibits MCP-1-stimulated calcium influx into CCR2-CHL cells with IC₅₀ of 32 nM.

RS-102895 significantly attenuates HG-induced ECM protein expression and TGF-beta1 levels in mouse mesangial cells (MCs).

RS-102895 (Abaucin, RS102895) is an antibacterial compound with narrow-spectrum activity against *A. baumannii*, perturbs lipoprotein trafficking through a mechanism involving LolE.

References

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- 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.
- Gary Liu, et al. *Nat Chem Biol*. 2023 May 25. doi: 10.1038/s41589-023-01349-8.

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

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