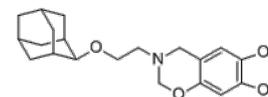


Product Name : R243
Cat. No. : PC-63440
CAS No. : 688352-84-3
Molecular Formula : C₂₁H₂₇NO₄
Molecular Weight : 357.45
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

R243 is a potent, small molecule **CCR8** antagonist that inhibits CCR8 signaling and chemotaxis, inhibits CCL1-induced Ca²⁺ flux and CCL1-driven peritoneal macrophages aggregation at 0.2 μM.

R243 attenuated secretion of TNF-α, IL-6, and most strikingly IL-10 from WT PMφ (peritoneal macrophages), but not BMMφ (bone marrow-derived macrophages).

R243 shows suppressed c-JNK activity and NF-κB signaling after LPS treatment, suppresses LPS-induced cytokine secretion; attenuates peritoneal adhesions in vivo in CCR8^{-/-} mice, also prevents hapten-induced colitis.

References

Oshio T, et al. PLoS One. 2014 Apr 8;9(4):e94445.

Berenguer J, et al. J Extracell Vesicles. 2018 Mar 13;7(1):1446660.

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

E-mail: tech@probechem.com