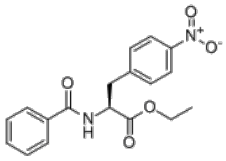
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SB-297006
Cat. No.	:	PC-20724
CAS No.	:	58816-69-6
Molecular Formula	:	$C_{18}H_{18}N_2O_5$
Molecular Weight	:	342.35
Target	:	Chemokine Receptor (CCR and CXCR)
Solubility	:	10 mM in DMSO



CAS: 58816-69-6

Biological Activity

SB-297006 is a potent, selective non-peptide CC chemokine receptor-3 (CCR3) antagonist, inhibits 125I-eotaxin binding to human eosinophils with IC50 of 60 nM.
SB-297006 inhibits binding of 125I-MCP-4 to human eosinophils with IC50 value of 44 nM.
SB-297006 (30 uM) does not inhibit the binding of 125I-IL-8 to CHO-CXCR1 cell or CHO-CXCR2 cell membranes, 125I-SLC (CCL-21) to HEK-293-CCR7 membranes, or [3H]LTD4 to guinea pig lung membranes.
SB-297006 is 250-fold selective for CCR3 over the other 7-TM receptors tested.
SB-297006 is potent inhibitor of eotaxin- and MCP-4-induced Ca(2+) mobilization in RBL-2H3-CCR3 cells and eosinophils.

References

White JR, et al. J Biol Chem. 2000 Nov 24;275(47):36626-31.

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

E-mail: tech@probechem.com