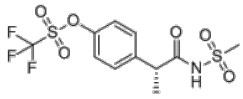
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.



Product Name	:	Ladarixin
Cat. No.	:	PC-61474
CAS No.	:	849776-05-2
Molecular Formula	:	$C_{11}H_{12}F_3NO_6S_2$
Molecular Weight	:	375.333
Target	:	Chemokine Receptor (CCR and CXCR)
Solubility	:	10 mM in DMSO

Biological Activity

Ladarixin (DF 2156) is an allosteric, noncompetitive dual **CXCR1/2** inhibitor that inhibits human polymorphonuclear leukocyte (PMN) migration to CXCL8 in vitro with IC50 of 0.7 nM.
Ladarixin (DF 2156) prevents PMN infiltration and tissue damage in several models of IR injury in vivo.
Ladarixin (DF 2156) abrogates motility and induces apoptosis in cultured cutaneous and uveal melanoma cells and xenografts.
Ladarixin (DF 2156) also prevents inflammation-mediated damage in MLD-STZ, prevents and reverses diabetes in NOD mice.

References

Garau A, et al. Eur Cytokine Netw. 2006 Mar;17(1):35-41.

Citro A, et al. Diabetes. 2015 Apr;64(4):1329-40.

Kemp DM, et al. Oncotarget. 2017 Feb 28;8(9):14428-14442.

Bertini R, et al. Br J Pharmacol. 2012 Jan;165(2):436-54.

E-mail: tech@probechem.com