Product Data Sheet

Product Name: Vercirnon
CAS No.: 698394-73-9
Cat. No.: HY-15724
MWt: 444.93
Formula: C22H21ClN2O4S
Purity: >98%
Solubility: 10 mM in DMSO

Mechanisms:
Pathways: GPCR/G protein; Target: CCR

Biological Activity:
Vercirion is a highly potent antagonist of CCR9, which has been implicated in the aetiology of inflammatory bowel diseases such as Crohn's disease.
IC50 value: <7 nM (Molt-4 cells, CCR9 transfected cell, primary derived human T cells, and murine and rat thymocytes)
Target: CCR9
in vitro: CCX282-B inhibits CCR9 mediated chemotaxis to CCL25 (IC50 <7 nM), measured in the Molt-4 cells, CCR9 transfected cell lines, primary derived human T cells, and murine and rat thymocytes.[1] CCX282-B inhibits CCR9-mediated Ca2+ mobilization and chemotaxis on Molt-4 cells with IC50 values of 5.4 and 3.4 nM, respectively. CCX282-B inhibits chemotaxis of primary CCR9-expressing cells to CCL25 with an IC50 of 6.8 nM. CCX282-B is an equipotent inhibitor of CCL25-directed chemotaxis of both splice forms of CCR9 (CCR9A and CCR9B) with IC50 values of 2.8 and 2.6 nM, respectively. [2]
in vivo... References:

Caution: Not fully tested. For research purposes only

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