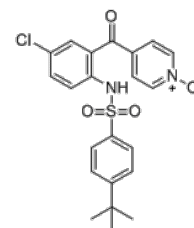


Product Name : Vercirnon
Cat. No. : PC-73249
CAS No. : 698394-73-9
Molecular Formula : C₂₂H₂₁ClN₂O₄S
Molecular Weight : 444.93
Target : Chemokine Receptor (CCR and CXCR)
Solubility : 10 mM in DMSO



Biological Activity

Vercirnon (GSK1605786A, CCX282-B) is a potent, selective, orally bioavailable antagonist of CCR9, inhibits CCR9-mediated Ca²⁺ mobilization and chemotaxis on Molt-4 cells with IC₅₀ of 5.4 and 3.4 nM, respectively.

Vercirnon (GSK1605786A, CCX282-B) displays high selectivity for CCR9 over CCR1-12 and CX3CR1-7 (IC₅₀>10 μM).

Vercirnon (GSK1605786A, 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.

CCX282-B also inhibited mouse and rat CCR9-mediated chemotaxis.

Inhibition of CCR9 with CCX282-B results in normalization of Crohn's disease such as histopathology associated with the TNF(ΔARE) mice.

References

Walters MJ, et al. J Pharmacol Exp Ther. 2010 Oct;335(1):61-9.

Keshav S, et al. PLoS One. 2013;8(3):e60094.

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

E-mail: tech@probechem.com