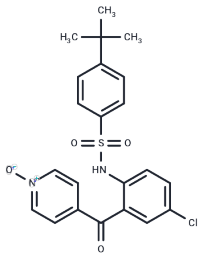
Data Sheet (Cat.No.T17225)

TargetMol

Vercirnon

Chemical Properties



CAS No. : 698394-73-9

Formula: C22H21ClN2O4S

Molecular Weight: 444.93

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Vercirnon (Traficet-EN) is a selective and potent antagonist of CCR9 (IC50: 10 nM). It is also used in the research of inflammatory bowel diseases.
Targets(IC50)	CCR
In vitro	Vercirnon is also a potent inhibitor of CCL25-induced Molt-4 chemotaxis (IC50: 3.5 ± 0.3 nM). Vercirnon inhibits CCL25-induced calcium mobilization (IC50: 5.4 ± 0.7 nM). Vercirnon inhibits the chemotaxis of Baf-3/CCR9A cells as well as Baf-3/CCR9A cells (IC50s: 2.8 ± 1.1 nM and 2.6 ± 0.7 nM, respectively). Vercirnon potently inhibits CCL25-induced chemotaxis (IC50: 6.8 ± 1.7 nM in the buffer) and exhibits inhibition on RA-cultured cell CCL25-medidated chemotaxis in 100% human AB serum (IC50: 141 ± 13 nM). Vercirnon shows inhibitory activity against Molt-4 migration (IC50: 33.4 ± 1.3 nM in 100% human AB serum). Vercirnon suppresses the binding of [3H] CCX807 to Molt-4 cells (IC50: 6 nM) [1].
In vivo	Vercirnon (50?mg/kg c.c. twice daily) blocks the colitis-associated weight loss inherent in the mdr1a?/? model and also abrogates growth arrest in the colitis mdr1a ?/? mice. Vercirnon (10, 50 mg/kg twice daily) protects from the severe inflammation associated with TNF-α overexpression in the TNFΔARE Mouse Model [2].

Solubility Information

Solubility	DMSO: 15 mg/mL (33.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1.5 mg/mL (3.37 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2475 mL	11.2377 mL	22.4754 mL
5 mM	0.4495 mL	2.2475 mL	4.4951 mL
10 mM	0.2248 mL	1.1238 mL	2.2475 mL
50 mM	0.045 mL	0.2248 mL	0.4495 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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