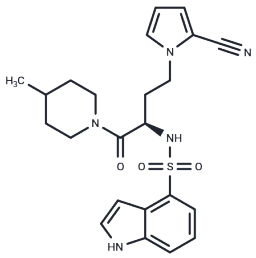
Data Sheet (Cat.No.T36478)

TargetMol

BI-6901

Chemical Properties



CAS No. : 2040401-92-9

Formula: C23H27N5O3S

Molecular Weight: 453.56

Storage: Keep away from moisture,Store under nitrogen,Store at low temperature
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	BI-6901 is a CCR10 antagonist. In a mouse model of DNFB exposure hypersensitivity, BI 6901 displays its anti-inflammatory response in a dose-dependent manner.
Targets(IC50)	CCR
In vivo	When administered at 100 mg/kg ip bid, BI-6901 is effective in a mouse contact hypersensitivity (CHS) model induced by DNFB, and it dose-dependently inhibits the inflammatory response in DNFB-sensitized Balb-C mice[1].

Solubility Information

Solubility	DMSO: 120 mg/mL (264.57 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 5 mg/mL (11.02 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	2.2048 mL	11.0239 mL	22.0478 mL
5 mM	0.441 mL	2.2048 mL	4.4096 mL
10 mM	0.2205 mL	1.1024 mL	2.2048 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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.

Reference

Asitha Abeywardane, et al. N-Arylsulfonyl-α-amino carboxamides are potent and selective inhibitors of the chemokine receptor CCR10 that show efficacy in the murine DNFB model of contact hypersensitivity. Bioorg Med Chem Lett. 2016 Nov 1;26(21):5277-5283.