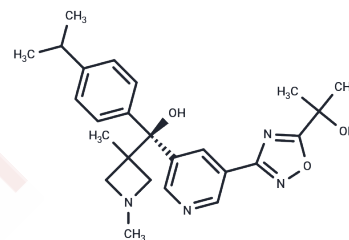


IDOR-1117-2520

Chemical Properties

CAS No. : 2737274-49-4
 Formula: C₂₅H₃₂N₄O₃
 Molecular Weight: 436.55
 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	IDOR-1117-2520 is a potent and selective CCR6 antagonist that effectively blocks CCL20-mediated calcium signaling and inhibits β -arrestin recruitment in human CCR6-expressing cells, thereby serving as a valuable pharmacological agent for investigating CCR6-driven immune cell migration and autoimmune disease mechanisms.
Targets(IC50)	CCR
In vivo	In the context of autoimmune disease models, IDOR-1117-2520 is evaluated for its ability to mitigate tissue inflammation. By preventing the infiltration of pathogenic Th17 cells into inflamed tissues, the compound aims to dampen the autoimmune response and reduce pathology. This mechanism is investigated in preclinical models of autoimmunity, such as skin inflammation (psoriasis) or intestinal inflammation (IBD) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2907 mL	11.4534 mL	22.9069 mL
5 mM	0.4581 mL	2.2907 mL	4.5814 mL
10 mM	0.2291 mL	1.1453 mL	2.2907 mL
50 mM	0.0458 mL	0.2291 mL	0.4581 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

Meyer EA, et al. Discovery of the Clinical Candidate IDOR-1117-2520: A Potent and Selective Antagonist of CCR6 for Autoimmune Diseases. J Med Chem. 2024 May 10.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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