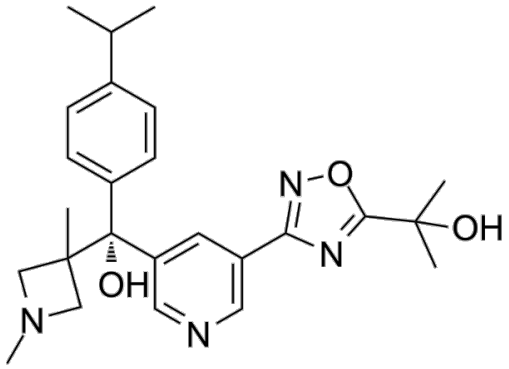
Product Data Sheet

Product Name: (S)-IDOR-1117-2520
Cat. No.: GC80414

Chemical Properties

Cas. No.			
Formula	$C_{25}H_{32}N_4O_3$	M.Wt	436.55
Solubility	DMSO: 100 mg/mL (229.07 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

(S)-IDOR-1117-2520 is the S-isomer of IDOR-1117-2520. IDOR-1117-2520 is an orally active, potent, selective and reversible CCR6 antagonist. IDOR-1117-2520 antagonizes the CCL20-mediated calcium flow (IC_{50} = 63 nM) and inhibits β-arrestin recruitment to human CCR6 (IC_{50} = 30 nM) in cells expressing recombinant human CCR6. IDOR-1117-2520 is found to be a substrate of P-gp/MDR1. IDOR-1117-2520 can be used in the research of autoimmune diseases and skin inflammation [1] [2].

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References:

[1]. 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.

[2]. Kulig P, et al. Efficacy of IDOR-1117-2520, a novel, orally available CCR6 antagonist in preclinical models of skin dermatitis. Br J Pharmacol. 2025 Aug;182(15):3452-3475.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA