

Product Data Sheet

Product Name: (S)-IDOR-1117-2520

Cat. No.: GC80414

Chemical Properties

Cas. No.

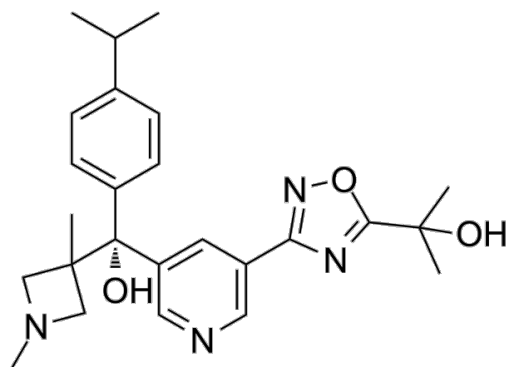
Formula $C_{25}H_{32}N_4O_3$ M.Wt 436.55

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].

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

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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.

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