

Product Data Sheet

Product Name: GPR183 antagonist-2

Cat. No.: GC71487

Chemical Properties

Cas. No. 2924063-98-7

Formula $C_{20}H_{18}F_2N_4O_5$ M.Wt 432.38

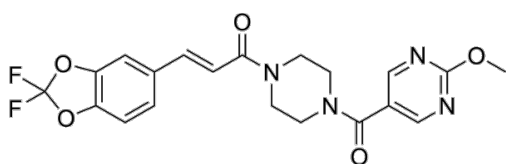
Solubility DMSO : 100 mg/mL (231.28 mM); ultrasonic and warming and heat to 80°C; Hygroscopic DMSO has a significant impact on the solubility of product, please use newly opened DMSO)

Storage -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

GPR183 antagonist-2 (compound 32) is a selective GPR183 antagonist with good water solubility and excellent pharmacokinetic properties. GPR183 antagonist-2 significantly reduces paw and joint

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

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swelling and gene expression of pro-inflammatory cytokines (MCP-1, MMPs, and VEGF) in a collagen-induced arthritis (CIA) mouse model in a dose-dependent manner. GPR183 antagonist-2 can be used in the study of autoimmune diseases.

<p>References:

[1]. Xi J, et al. Discovery of a First-in-Class GPR183 Antagonist for the Potential Treatment of Rheumatoid Arthritis. J Med Chem. 2023 Dec 14;66(23):15926-15943.

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