

Product Data Sheet

Product Name: GPR84 antagonist 3

Cat. No.: GC73332

Chemical Properties

Cas. No. 2815263-05-7

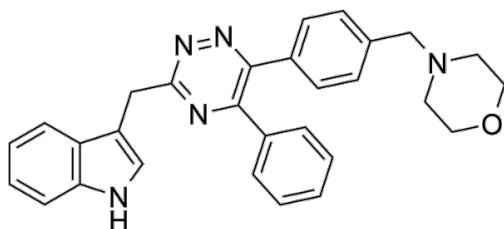
Formula $C_{29}H_{27}N_5O$ M.Wt 461.56

Solubility DMSO : 100 mg/mL (216.66 mM; Storage -20°C
Need ultrasonic)

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

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

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GPR84 antagonist 3 (compound 42) is a potent GPR84 (G-protein-coupled receptor 84) antagonist. GPR84 antagonist 3 inhibits GTPγS, with a pIC₅₀ of 8.28. GPR84 antagonist 3 has a favorable pharmacokinetic profile suitable.

GPR84 antagonist 3 (compound 42) displays no ability to block the actions of the C3 fatty acid propionate at either FFAR2 or FFAR3 when tested at 10 μM[1]

GPR84 antagonist 3 (compound 42) (1 mg/kg (IV), 10 mg/kg (Orally); once) has a good elimination half-life (2.51 h), moderate rate of clearance, and bioavailability[1].

References:

[1]. Mahindra A, et al. Investigating the Structure-Activity Relationship of 1,2,4-Triazine G-Protein-Coupled Receptor 84 (GPR84) Antagonists. J Med Chem. 2022 Aug 10.

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