

Product Data Sheet

Product Name: CCKBR agonist-2

Cat. No.: GC79283

Chemical Properties

Cas. No. 923714-61-8

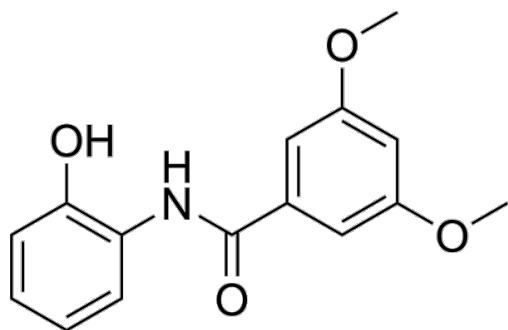
Formula $C_{15}H_{15}NO_4$ M.Wt 273.28

Solubility DMSO: 100 mg/mL (365.93 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

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

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CCKBR agonist-2 (Compound z-44) is a Gi-preferring CCKBR agonist. CCKBR agonist-2 effectively activates the CCKBR-Gi signaling pathway (EC₅₀ = 0.27 nM), but has almost no activity on Gq and Gs signaling pathways. CCKBR agonist-2 shows no significant protective effect in the mouse Alzheimer's disease model, proving that the simple activation of the Gi signal pathway does not play a dominant role in the improvement of cognitive function [1].

References:

[1]. Wang JL, et al. Elucidating pathway-selective biased CCKBR agonism for Alzheimer's disease treatment. Cell. 2025 Nov 20:S0092-8674(25)01238-3.

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