

Product Data Sheet

Product Name: Kir4.1-IN-1

Cat. No.: GC79540

Chemical Properties

Cas. No.

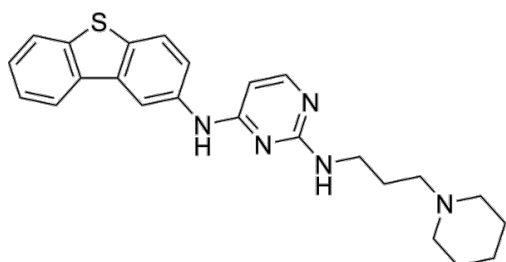
Formula $C_{24}H_{27}N_5S$ M.Wt 417.57

Solubility DMSO: 50 mg/mL (119.74 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

Kir4.1-IN-1 (Compound 37) is a potent, selective, blood-brain barrier permeable Kir4.1 inhibitor with an IC_{50} of 0.19 μ M. Kir4.1-IN-1 exhibits rapid-onset antidepressant effects [1].

References:

[1]. Wang S, et al. Discovery of 2,4-Disubstituted Pyrimidine Derivatives as Novel Kir4.1 Inhibitors with Rapid-Onset Antidepressant Effect. J Med Chem. 2026 Jan 22;69(2):1606-1627.

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

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