
Product Data Sheet

Product Name: BRD0209

Cat. No.: GC68802

Chemical Properties

Cas. No. 1597439-87-6

Formula $C_{22}H_{25}N_3O$

M.Wt 347.45

Solubility DMSO : 62.5 mg/mL (179.88 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

BRD0209 is a potent, selective and dual inhibitor of **GSK3 α / β** inhibitor (GSK3 α **IC₅₀** = 19 nM; GSK3 β **IC₅₀** = 5 nM). BRD0209 is also a reversible ATP-competitive inhibitor with fast-off kinetics (**K_i** = 4.2 nM, respectively). BRD0209 is a tricyclic pyrazolotetrahydroquinolinone compound. BRD0209 has the potential for the research of mood disorder diseases^[1].

[1]. Wagner FF, et al. Inhibitors of Glycogen Synthase Kinase 3 with Exquisite Kinome-Wide Selectivity and Their Functional Effects. ACS Chem Biol. 2016;11(7):1952-1963.

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

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