
Product Data Sheet

Product Name: Glucokinase activator 3

Cat. No.: GC67901

Chemical Properties

Cas. No. 1001417-92-0

Formula $C_{26}H_{33}N_2O_9PS_2$

M.Wt 612.65

Solubility DMSO : 100 mg/mL (163.23 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

Glucokinase activator 3 is a potent and full **Glucokinase (GK)** activator with an **AC₅₀** of 38 nM. Glucokinase activator 3 has the potential for the research of type 2 diabetes^[1].

[1]. Shi Y, et al. Discovery of a Partial Glucokinase Activator Clinical Candidate: Diethyl ((3-(3-((5-(Azetidine-1-carbonyl)pyrazin-2-yl)oxy)-5-isopropoxybenzamido)-1H-pyrazol-1-yl)methyl)phosphonate (BMS-820132). J Med Chem. 2022, 65(5):4291-4317.

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

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