
Product Data Sheet

Product Name: DDR1-IN-5

Cat. No.: GC65378

Chemical Properties

Cas. No. 2416022-90-5

Formula C₂₂H₁₃F₃N₆O M.Wt 434.37

Solubility 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 **Protocol**

DDR1

7.36nM(IC₅₀)**Background**

DDR1-IN-5 is a selective Discoidin Domain Receptor family, member 1 (DDR1) inhibitor with an IC₅₀ of 7.36 nM. DDR1-IN-5 inhibits auto-phosphorylation DDR1b (Y513) with an IC₅₀ of 4.1 nM. DDR1-IN-5 has anti-cancer activity[1].

DDR1-IN-5 (compound 121; for 24 hours) inhibits collagen production in human hepatic stellate cell LX-2 (IC₅₀=62 nM)[1]. DDR1-IN-5 (72 hours) has cytotoxicity in LX-2 cells (CC₅₀>40 μM)[1].

[1]. Aleksandr M. Aliper, et al. Kinase inhibitors. WO2020079652A1.

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

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