
Product Data Sheet

Product Name: DDR1-IN-6

Cat. No.: GC66476

Chemical Properties

Cas. No. 2416021-47-9

Formula $C_{23}H_{14}F_3N_5O$ M.Wt 433.39

Solubility Storage 4°C, away from moisture and light

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

DDR1-IN-6 is a selective **Discoidin Domain Receptor family, member 1 (DDR1)** inhibitor with an **IC₅₀** of 9.72 nM. DDR1-IN-6 inhibits auto-phosphorylation DDR1b (Y513) with an **IC₅₀** of 9.7 nM. DDR1-IN-6 has anti-cancer activity^[1].

DDR1-IN-6 (compound 1; for 24 hours) inhibits collagen production in human hepatic stellate cell LX-2 (IC₅₀=13 nM)^[1].

DDR1-IN-6 (72 hours) has cytotoxicity in LX-2 cells (CC₅₀=3 μM)^[1].

DDR1-IN-6 (0-30 μM) has anti-proliferation effects on primary tumor cells freshly isolated from PC-07-0024 (IC₅₀=5.7 μM of 3 days; IC₅₀=2.65 μM of 6 days) and LU-01-0523 derived xenograft (PDX) tumor model (IC₅₀>30 μM of 3 days; IC₅₀>30 μM of 6 days)^[1].

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA