

Product Data Sheet

Product Name: PTK7/ β -catenin-IN-2

Cat. No.: GC73875

Chemical Properties

Cas. No. 902434-29-1

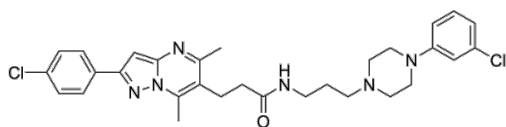
Formula $C_{30}H_{34}Cl_2N_6O$ M.Wt 565.54

Solubility DMF : 25 mg/mL (44.21 mM; Need ultrasonic) Storage 4°C, protect from 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

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

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PTK7/ β -catenin-IN-2 (compound 04967) is an inhibitor of PTK7/ β -catenin. It inhibits the binding of PTK7 to β -catenin (IC₅₀: 5.6 μ M), thereby inhibiting the signaling of the Wnt/ β -catenin pathway. PTK7/ β -catenin-IN-2 targets cell growth dependent on the Wnt signaling pathway and has anticancer properties. PTK7/ β -catenin-IN-2 also showed inhibitory potency against p53 and MDM2 binding with an IC₅₀ of 157.1 μ M.

References:

[1]. Ganier L, et al. Discovery of Small-Molecule Inhibitors of the PTK7/ β -Catenin Interaction Targeting the Wnt Signaling Pathway in Colorectal Cancer[J]. ACS Chemical Biology, 2022, 17(5): 1061-1072.

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