

Product Data Sheet

Product Name: PTK7/ β -catenin-IN-6

Cat. No.: GC73876

Chemical Properties

Cas. No. 1219439-82-3

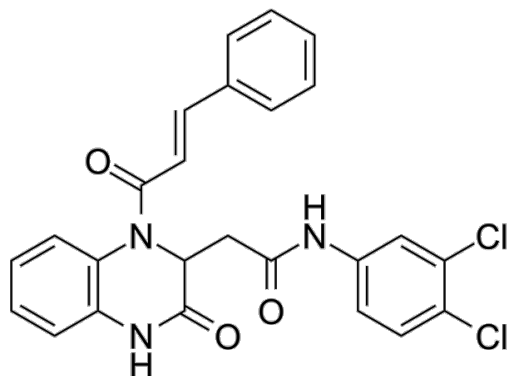
Formula $C_{25}H_{19}Cl_2N_3O_3$ M.Wt 480.34

Solubility DMSO : 73.33 mg/mL (152.66 mM; Storage 4°C, protect from light
Need ultrasonic)

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

PTK7/ β -catenin-IN-6 (Compound 03653) is an inhibitor for PTK7/ β -catenin interaction, which inhibits the Wnt signaling pathway, and exhibits an anticancer activity against colorectal cancer (CRC).

PTK7/ β -catenin-IN-6 (25 μ M) misregulates the β -catenin responsive transcription and inhibits the Wnt signaling pathway through regulating the mRNA expressions of Wnt signaling related genes, which are associated with cell proliferation and migration[1]. PTK7/ β -catenin-IN-6 (0-100 μ M) arrests the cell cycle in G0/G1 phase through block of CyclinA2, CyclinE2 and CDK production, inhibits

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

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proliferations of HCT116, SW480 and MEF with IC₅₀s of 20.1, 19.6 and 46.3 μ M, respectively[1].

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. ACS Chem Biol. 2022 May 20;17(5):1061-1072.

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