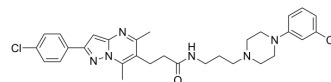


PTK7/ β -catenin-IN-2

Cat. No.:	HY-160489
CAS No.:	902434-29-1
Molecular Formula:	C ₃₀ H ₃₄ Cl ₂ N ₆ O
Molecular Weight:	565.54
Target:	β -catenin
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PTK7/ β -catenin-IN-2 (compound 04967) is an inhibitor of PTK7/ β -catenin. It inhibits the binding of PTK7 to β -catenin (IC ₅₀ : 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 IC ₅₀ of 157.1 μ M ^[1] .
IC ₅₀ & Target	IC ₅₀ : 5.6 μ M (Interaction between PTK7 and β -catenin) ^[1] ; 157.1 μ M (Interaction between p53 and MDM2) ^[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[J]. ACS Chemical Biology, 2022, 17(5): 1061-1072.

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

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