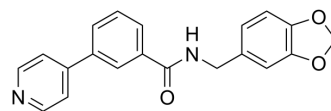


Aurka allosteric-IN-1

Cat. No.:	HY-158038
Molecular Formula:	C ₂₀ H ₁₆ N ₂ O ₃
Molecular Weight:	332.35
Target:	Aurora Kinase
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aurka allosteric-IN-1 (compound 6h) is an Aurora A (Aurka) inhibitor (IC ₅₀ : 6.50 μM) that inhibits the catalytic activity and non-catalytic functions of Aurora A. Aurora A regulates the assembly of the bipolar mitotic spindle and the fidelity of chromosome segregation during mitosis and has non-catalytic functions. Aurka allosteric-IN-1 blocks the interaction of Aurka with the activator TPX2 by binding to the Y pocket of Aurka ^[1] .
In Vitro	Aurka allosteric-IN-1 (100 μM; 48 h) differentially induces cell cycle arrest in different cell types, including lung cancer cell lines and rectal cancer cell lines ^[1] . Aurka allosteric-IN-1 (20 μM; 48 h) can downregulate the levels of phospho-histone H3 in cancer cells ^[1] . Aurka allosteric-IN-1 (25-400 μM; 48 h) exhibits significant anti-cell proliferation on HeLa cells activity, and has a synergistic effect with PHA-767491 (HY-13461), further amplifying its anti-proliferative activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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