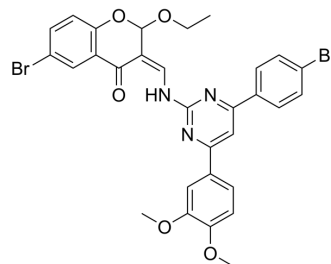


## Aurora kinase-IN-1

<b>Cat. No.:</b>	HY-115932
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>25</sub> Br <sub>2</sub> N <sub>3</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	667.34
<b>Target:</b>	Aurora Kinase; Apoptosis
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Aurora kinase-IN-1 (Compound 9) is a potent inhibitor of aurora kinase. Aurora kinase-IN-1 upregulates the expression of G1 cell cycle inhibitory proteins including p21 and p27, and G1 progressive cyclin D1, and downregulates G1-to-S progressive cyclins, resulting in cell cycle arrest at the G1/S boundary. Aurora kinase-IN-1 also induces apoptosis. Aurora kinase-IN-1 is a lead compound for chemotherapeutic agents<sup>[1]</sup>.

### REFERENCES

[1]. Shin SY, et al. Design, synthesis, and biological activities of 3-((4,6-diphenylpyrimidin-2-ylamino)methylene)-2,3-dihydrochromen-4-ones [published online ahead of print, 2022 Jan 20]. *Bioorg Chem.* 2022;120:105634.

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

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