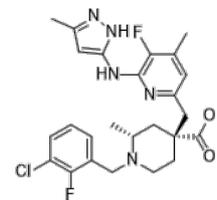


**Product Name** : JAB-2485  
**Cat. No.** : PC-22152  
**CAS No.** : 2899209-55-1  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>ClF<sub>2</sub>N<sub>5</sub>O  
**Molecular Weight** : 503.98  
**Target** : Aurora Kinase  
**Solubility** : 10 mM in DMSO



CAS: 2899209-55-1

## Biological Activity

JAB-2485 is a potent, highly selective small-molecule **Aurora kinase A (AURKA)** inhibitor with IC<sub>50</sub> of 0.33 nM, with >1500-fold selectivity over AURKB and AURKC.

JAB-2485 significantly decreases the level of AURKA phosphorylation in a dose-dependent manner.

JAB-2485 induces cell cycle arrest and apoptosis in NCI-H446 cells, with minimal myelosuppression.

JAB-2485 inhibits in vitro proliferation of small cell lung cancer (SCLC), triple-negative breast cancer (TNBC) and neuroblastoma cell lines (NCI-H2171, IC<sub>50</sub>=46.1 nM; SH-SY5Y IC<sub>50</sub>=8.1 nM).

JAB-2485 (10 mpk, p.o. QD) significantly inhibited in vivo tumor growth on MDA-MB-231 xenografts.

## References

Guiqun Yang, et al. *Cancer Res* (2023) 83 (7\_Supplement): 1645.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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