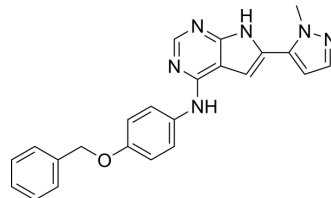


EGFR/AURKB-IN-1

Cat. No.:	HY-157480
CAS No.:	3008543-34-5
Molecular Formula:	C ₂₃ H ₂₀ N ₆ O
Molecular Weight:	396.44
Target:	EGFR; Aurora Kinase
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

EGFR/AURKB-IN-1 (compound 7) is a dual-targeted EGFR/AURKB inhibitor, and inhibits the phosphorylations of ^{L858R} EGFR and AURKB with IC₅₀s of 0.07 and 1.1, respectively. EGFR/AURKB-IN-1 occupies the hydrophobic region I or the αC-helix out pocket of EGFR and the back pocket of AURKB, inhibiting the growth, division and metastasis of tumor cells, thus can be used for cancer research^[1].

REFERENCES

[1]. Kurup S, et al. Design, synthesis, and evaluation of dual EGFR/AURKB inhibitors as anticancer agents for non-small cell lung cancer. *Bioorg Med Chem Lett*. 2024 Jan 8:129612.

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

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