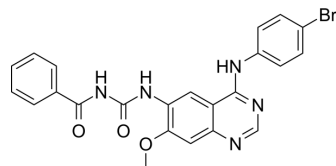


EGFR/microtubule-IN-1

Cat. No.:	HY-161145
CAS No.:	1970269-96-5
Molecular Formula:	C ₂₃ H ₁₈ BrN ₅ O ₃
Molecular Weight:	492.32
Target:	EGFR; Apoptosis; Microtubule/Tubulin
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR/microtubule-IN-1 (Compound 10c) is a dual inhibitor targeting EGFR and tubulin. The IC ₅₀ for inhibiting EGFR is 10.66 nM. EGFR/microtubule-IN-1 can reduce the phosphorylation levels of EGFR, AKT and ERK, hinder tubulin polymerization, and induce apoptosis ^[1] .
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IC ₅₀ & Target	10.66 nM (EGFR) ^[1]
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REFERENCES

[1]. Liu Y, et al. Design of balanced dual-target inhibitors of EGFR and microtubule. *Bioorg Chem.* 2024 Feb;143:107087.

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

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