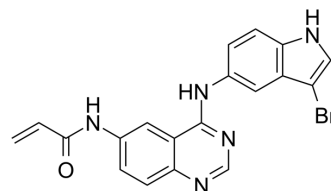


pan-HER-IN-1

Cat. No.:	HY-144676
CAS No.:	1639040-94-0
Molecular Formula:	C ₁₉ H ₁₄ BrN ₅ O
Molecular Weight:	408.25
Target:	EGFR; Apoptosis
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	pan-HER-IN-1 (Compound C5) is an irreversible, orally active pan-HER inhibitor with IC ₅₀ values of 0.38, 1.6, 2.2 and 3.5 nM against EGFR, HER4, EGFR ^{T790M/L858R} and HER2, respectively. pan-HER-IN-1 induces apoptosis and shows antitumor activities ^[1] .			
IC₅₀ & Target	EGFR 0.38 nM (IC ₅₀)	HER4 1.6 nM (IC ₅₀)	EGFR ^{L858R/T790M/C797S} 2.2 nM (IC ₅₀)	HER2 3.5 nM (IC ₅₀)

REFERENCES

[1]. Tang Q, et al. Discovery of N-(3-bromo-1H-indol-5-yl)-quinazolin-4-amine as an effective molecular skeleton to develop reversible/irreversible pan-HER inhibitors. *Eur J Med Chem.* 2022 Apr 5;233:114249.

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

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