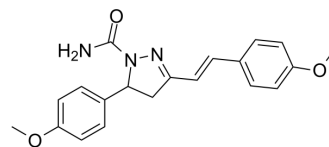


EGFR-IN-64

Cat. No.:	HY-147995
CAS No.:	2416924-93-9
Molecular Formula:	C ₂₀ H ₂₁ N ₃ O ₃
Molecular Weight:	351.4
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	EGFR-IN-64 (Compound 3c) is a potent EGFR inhibitor with an IC ₅₀ of 0.33 μM. EGFR-IN-64 shows anticancer activity ^[1] .
IC ₅₀ & Target	EGFR 0.33 μM (IC ₅₀)
In Vitro	EGFR-IN-64 (Compound 3c) shows cytotoxicity with IC ₅₀ values of 4.46 ± 0.11 μM and 16.23 ± 0.65 μM against MCF-7 and WI-38, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. George RF, et al. Some 1,3,5-trisubstituted pyrazoline derivatives targeting breast cancer: Design, synthesis, cytotoxic activity, EGFR inhibition and molecular docking. Bioorg Chem. 2020 Jun;99:103780.

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

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