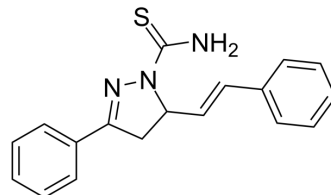


EGFR-IN-67

Cat. No.:	HY-147996
CAS No.:	2416924-99-5
Molecular Formula:	C ₁₈ H ₁₇ N ₃ S
Molecular Weight:	307.41
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-67 (Compound 7d) is a potent EGFR inhibitor with an IC ₅₀ of 0.34 μM. EGFR-IN-67 shows anticancer activity ^[1] .
IC ₅₀ & Target	EGFR 0.34 μM (IC ₅₀)
In Vitro	EGFR-IN-67 (Compound 7d) shows cytotoxicity with IC ₅₀ values of 4.53 ± 0.28 μM and 39.10 ± 2.37 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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