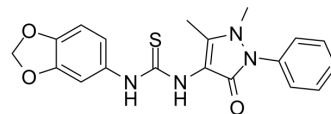


EGFR-IN-52

Cat. No.:	HY-146472
CAS No.:	454436-75-0
Molecular Formula:	C ₁₉ H ₁₈ N ₄ O ₃ S
Molecular Weight:	382.44
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	EGFR-IN-52 (Compound 4) is a potent EGFR inhibitor with IC ₅₀ values of 0.358, 86.02 and 432.67 μM against EGFR, EGFR L858R-TK and EGFR T790M-TK, respectively. EGFR-IN-52 shows cytotoxic activity against cancer cell lines and induces apoptosis ^[1] .		
IC₅₀ & Target	EGFR 0.358 μM (IC ₅₀)	EGFR ^{L858R} 86.02 μM (IC ₅₀)	EGFR ^{T790M} 432.67 μM (IC ₅₀)

REFERENCES

[1]. Abbas SY, et al. Synthesis and anticancer activity of thiourea derivatives bearing a benzodioxole moiety with EGFR inhibitory activity, apoptosis assay and molecular docking study. Eur J Med Chem. 2020 Jul 15;198:112363.

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

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