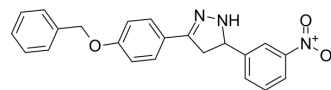


EGFR-TK-IN-2

Cat. No.:	HY-158018
Molecular Formula:	C ₂₂ H ₁₉ N ₃ O ₃
Molecular Weight:	373.4
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-TK-IN-2 (compound 10b) is EGFR-TK inhibitor with the IC ₅₀ of 0.16 μM. EGFR-TK-IN-2 inhibits cell growth ^[1] .
In Vitro	EGFR-TK-IN-2 (compound 10b) inhibits cell growth with the IC ₅₀ values of 9.94 μM, 6.32 μM and 8.11 μM against HCT116, HePG-2 and MCF7, respectively. ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Serag MI, et al. M. New oxadiazole and pyrazoline derivatives as anti-proliferative agents targeting EGFR-TK: design, synthesis, biological evaluation and molecular docking study. Sci Rep. 2024;14(1):5474. Published 2024 Mar 5.

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

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