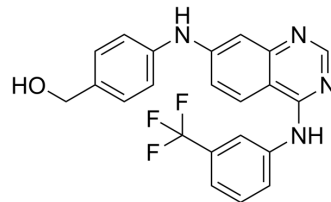


EGFR-IN-83

Cat. No.:	HY-155969
Molecular Formula:	C ₂₂ H ₁₇ F ₃ N ₄ O
Molecular Weight:	410.39
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-83 (Compound 9) is an EGFR inhibitor (IC ₅₀ : 2.53 nM). EGFR-IN-83 has antiproliferative activity against MCF-7 and MDA-MB-231 cells, with IC ₅₀ of 2.50 μM and 1.96 μM. EGFR-IN-83 can induce cell apoptosis ^[1] .
IC ₅₀ & Target	2.53 nM (EGFR) ^[1]

REFERENCES

[1]. Hossam Nada, et al. Machine Learning-Based Approach to Developing Potent EGFR Inhibitors for Breast Cancer-Design, Synthesis, and In Vitro Evaluation. ACS Omega 2023, 8, 35, 31784-31800.

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

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