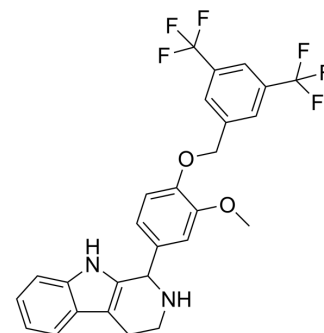


PRMT5/EGFR-IN-1

Cat. No.:	HY-163434
Molecular Formula:	C ₂₇ H ₂₂ F ₆ N ₂ O ₂
Molecular Weight:	520.47
Target:	EGFR; Histone Methyltransferase
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PRMT5/EGFR-IN-1 (Compound 10p) is an orally active dual PRMT5/EGFR inhibitor, with IC₅₀s of 15.47 and 19.31 μM, respectively. PRMT5/EGFR-IN-1 exhibits antiproliferative activity against A549, MCF7, HeLa, and MDA-MB-231 cell lines. PRMT5/EGFR-IN-1 has favorable in vivo PK and PD properties. PRMT5/EGFR-IN-1 can significantly inhibit the growth of MCF7 orthotopic xenograft tumors^[1].

REFERENCES

[1]. Zhang J, et al. Synthesis and biological evaluation of 1-phenyl-tetrahydro-β-carboline-based first dual PRMT5/EGFR inhibitors as potential anticancer agents. *Eur J Med Chem.* 2024 Mar 18;269:116341.

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

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