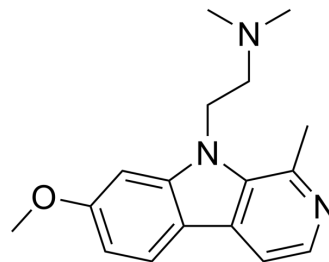


Dyrk1A-IN-8

Cat. No.:	HY-158212
CAS No.:	101578-13-6
Molecular Formula:	C ₁₇ H ₂₁ N ₃ O
Molecular Weight:	283.37
Target:	EGFR; PI3K
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VEGFR-2-IN-45 (compound 7c) is a potent inhibitor of EGFR ^{T790M} and EGFR ^{WT} with IC ₅₀ s of 0.08 μM, and 0.13 μM, respectively. VEGFR-2-IN-45 also inhibits PI3K-δ with the IC ₅₀ of 0.64 μM ^[1] .
IC₅₀ & Target	PI3Kδ 0.64 μM (IC ₅₀)

REFERENCES

[1]. Nada Reda, et al. Novel Pyrimidine-5-Carbonitriles as potential apoptotic and antiproliferative agents by dual inhibition of EGFR^{WT}/T790M and PI3k enzymes; Design, Synthesis, biological Evaluation, and docking studies. *Bioorg Chem.* 2024 Apr;145:107185.

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

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