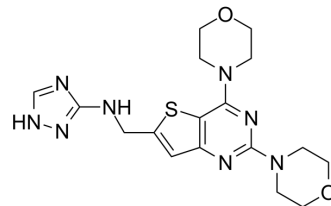


PI3K α -IN-7

Cat. No.:	HY-149000
CAS No.:	2417098-53-2
Molecular Formula:	C ₁₇ H ₂₂ N ₈ O ₂ S
Molecular Weight:	402.47
Target:	PI3K; Apoptosis
Pathway:	PI3K/Akt/mTOR; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PI3K α -IN-7 (Compound A12) is a potent PI3K α inhibitor. PI3K α -IN-7 also inhibits PI3K β . PI3K α -IN-7 decreases cancer cells mitochondrial membrane potential and induces apoptosis ^[1] .	
IC₅₀ & Target	PI3K α	PI3K β
In Vitro	PI3K α -IN-7 (Compound A12) shows potent antitumor activities against HCT116, PC-3, MCF-7, A549 and MDA-MB-231 cell lines with IC ₅₀ values of 3.24 μ M, 14.37 μ M, 7.39 μ M, 7.10 μ M, and 16.85 μ M, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Ye T, et al. Design, synthesis and biological evaluation of novel 2,4-bismorpholinothieno[3,2-d]pyrimidine and 2-morpholinothieno[3,2-d]pyrimidinone derivatives as potent antitumor agents. Bioorg Chem. 2020 Jun;99:103796.

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

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