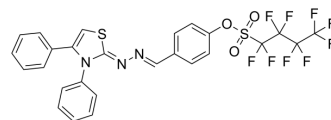


PI3K-IN-28

Cat. No.:	HY-145432
CAS No.:	2747100-02-1
Molecular Formula:	C ₂₆ H ₁₆ F ₉ N ₃ O ₃ S ₂
Molecular Weight:	653.54
Target:	PI3K
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PI3K-IN-28 (Compound 6c) is a potent inhibitor of PI3K. PI3K-IN-28 displays the most potent activity with lower toxic effects on MCF-10a. PI3K-IN-28 displays half-maximal inhibitory concentration (IC₅₀, μM) values of 5.8, 2.3, and 7.9. PI3K-IN-28 is the most potent one with a selectivity index (SI) of 39 and is considered as a latent lead for further optimization of anticancer agents^[1].

REFERENCES

[1]. Tantawy AH, et al. Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Fluorinated Candidates as PI3K Inhibitors: Targeting Fluorophilic Binding Sites. *J Med Chem.* 2021 Dec 9;64(23):17468-17485.

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

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