

Product Data Sheet

PI3K-IN-28

Cat. No.: HY-145432
CAS No.: 2747100-02-1

Molecular Formula: $C_{26}H_{16}F_9N_3O_3S_2$

Molecular Weight: 653.54

Target: PI3K

Pathway: PI3K/Akt/mTOR

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

S O S F F F F

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, μ M) 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.

Proteins

Inhibitors