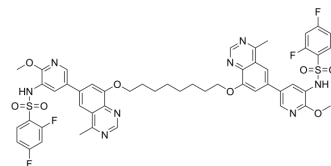


PI3K-IN-47

Cat. No.:	HY-149521
Molecular Formula:	C ₅₀ H ₄₆ F ₄ N ₈ O ₈ S ₂
Molecular Weight:	1027.07
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-47 (Compound 27) is a bivalent PI3K inhibitor (IC ₅₀ : 0.44 nM for PI3Kα, 7.18 nM, 13.92 nM, 22.83 nM for PI3Kβ, PI3Kγ, PI3Kδ). PI3K-IN-47 induces cell cycle arrest in G1 phase, inhibits colony formation and cell migration. PI3K-IN-47 inhibits tumor growth in HGC-27 xenograft mice ^[1] .
IC ₅₀ & Target	0.44 nM for PI3Kα, 7.18 nM, 13.92 nM, 22.83 nM for PI3Kβ, PI3Kγ, PI3Kδ ^[1]

REFERENCES

[1]. Xia L, et al. Design, synthesis, and biological evaluation of novel bivalent PI3K inhibitors for the potential treatment of cancer. *Bioorg Chem.* 2023 Nov;140:106814.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA