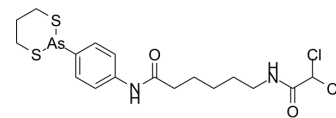


PDK-IN-2

Cat. No.:	HY-156109
CAS No.:	3032446-61-7
Molecular Formula:	C ₁₇ H ₂₃ AsCl ₂ N ₂ O ₂ S ₂
Molecular Weight:	497.33
Target:	PDHK; Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PDK-IN-2 (Compound 1F) is a PDK inhibitor (IC ₅₀ : 68 nM). PDK-IN-2 inhibits the cellular expression of PDK1 and PDK4. PDK-IN-2 enhances mitochondrial bioenergetics, attenuates glycolytic phenotypes, and induces cell apoptosis in the mitochondrial pathway. PDK-IN-2 inhibits tumor growth in 4T1 syngeneic mice model ^[1] .
IC ₅₀ & Target	68 nM (PDK) ^[1]

REFERENCES

[1]. She W, et al. Reprogramming Energy Metabolism with Synthesized PDK Inhibitors Based on Dichloroacetate Derivatives and Targeted Delivery Systems for Enhanced Cancer Therapy. J Med Chem. 2023 Sep 9.

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

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