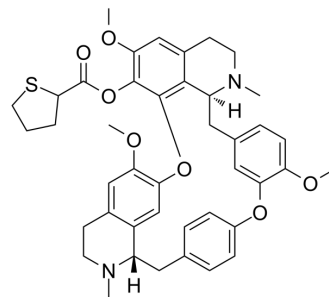


AKT-IN-12

Cat. No.:	HY-147513
CAS No.:	2396718-52-6
Molecular Formula:	C ₄₂ H ₄₆ N ₂ O ₇ S
Molecular Weight:	722.89
Target:	Akt; Apoptosis
Pathway:	PI3K/Akt/mTOR; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AKT-IN-12 (compound 3e) is a potent Akt kinase inhibitor with an IC ₅₀ value of 0.55 μM. AKT-IN-12 induces G0/G1 cell cycle arrest and apoptosis. AKT-IN-12 also inhibits p-AKT, p-ERK, and activates p-JNK, JNK. AKT-IN-12 can be used for researching leukemia ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.55 μM (Akt) ^[1]

REFERENCES

[1]. Yang J, et al. Fangchinoline derivatives induce cell cycle arrest and apoptosis in human leukemia cell lines via suppression of the PI3K/AKT and MAPK signaling pathway. *Eur J Med Chem.* 2020;186:111898.

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

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