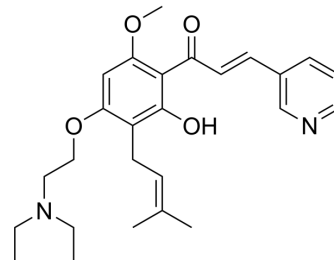


AKT-IN-21

Cat. No.:	HY-161144
Molecular Formula:	C ₂₆ H ₃₄ N ₂ O ₄
Molecular Weight:	438.56
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-21 (compound C36) is a potent AKT inhibitor with broad-spectrum cytotoxicity and anticancer activity. AKT-IN-21 also blocks the cell cycle and induces apoptosis of cancer cells by down-regulating the PI3K/AKT pathway ^[1] .
In Vitro	AKT-IN-21 shows anti-proliferation inhibitory activity and cytotoxicity among several cancer cells, with IC ₅₀ s of 2.33 μM (LNCaP), 2.38 μM (K562), 1.98 μM (HepG2), 3.95 μM (LX-2), respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yu J, et al. Design, synthesis and bioevaluation of novel prenylated chalcones derivatives as potential antitumor agents. Eur J Pharm Sci. 2024 Jan 1;192:106660.

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

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