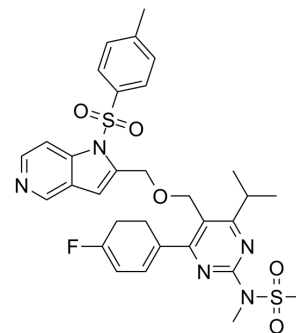


Akt1-IN-1

Cat. No.:	HY-146459
Molecular Formula:	C ₃₁ H ₃₄ FN ₅ O ₅ S ₂
Molecular Weight:	639.76
Target:	Akt
Pathway:	PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Akt1-IN-1 (compound 5b) is a potent and selective Akt1 inhibitor with an IC ₅₀ value of 18.79 nM in MIA Paca-2 cells. Akt1-IN-1 does not exhibit obvious teratogenicity, hepatotoxicity and cardiotoxicity (No Observed Adverse Effect Level > 100 μM). Akt1-IN-1 can be used for researching anticancer ^[1] .
IC ₅₀ & Target	IC ₅₀ : 18.79 nM in MIA Paca-2 cells ^[1]

REFERENCES

[1]. Kumar JS, et al. Ultrasound assisted one-pot synthesis of rosuvastatin based novel azaindole derivatives via coupling-cyclization strategy under Pd/Cu-catalysis: Their evaluation as potential cytotoxic agents. *Bioorg Chem.* 2022;124:105857.

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

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