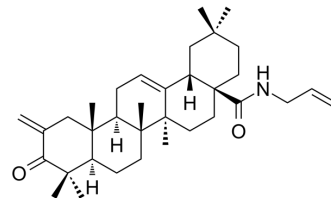


PI3K/Akt/mTOR-IN-3

Cat. No.:	HY-147913
CAS No.:	2457245-94-0
Molecular Formula:	C ₃₄ H ₅₁ NO ₂
Molecular Weight:	505.77
Target:	PI3K; Akt; mTOR; Apoptosis
Pathway:	PI3K/Akt/mTOR; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

PI3K/Akt/mTOR-IN-3 (compound 3d) is a potent PI3K/AKT/mTOR inhibitor. PI3K/Akt/mTOR-IN-3 displays the inhibitory activity in MCF-7, HeLa and HepG2 cells, with IC₅₀ values of 0.77, 1.23, and 4.57 μM, respectively. PI3K/Akt/mTOR-IN-3 inhibits the migration of MCF-7 and HeLa cells at the concentration of 4 μM. PI3K/Akt/mTOR-IN-3 induces cell apoptosis and S phase arrest^[1].

REFERENCES

[1]. Wang SS, et al. Synthesis and antitumor activity of α,β-unsaturated carbonyl moiety- containing oleanolic acid derivatives targeting PI3K/AKT/mTOR signaling pathway. *Bioorg Chem.* 2020 Aug;101:104036.

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

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