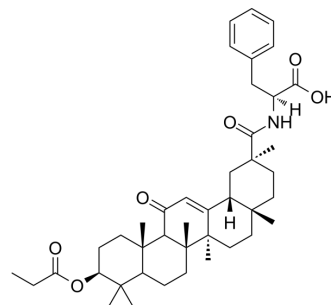


Anticancer agent 59

Cat. No.:	HY-146462
Molecular Formula:	C ₄₂ H ₅₉ NO ₆
Molecular Weight:	673.92
Target:	Apoptosis; ROS
Pathway:	Apoptosis; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 59 (compound 11) has inhibitory activity against kinds of cancer cell lines, especially in A549 with IC ₅₀ of 0.2 μM. Anticancer agent 59 induces apoptosis and an increase of Ca ²⁺ and ROS in cancer cells. Anticancer agent 59 significantly decreases mitochondrial membrane potential. Anticancer agent 59 can suppress tumor growth in A549 mouse xenograft model ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.2 μM in A549 ^[1]

REFERENCES

[1]. Yin Y, et al. Synthesis and in vitro/in vivo anticancer evaluation of pentacyclic triterpenoid derivatives linked with L-phenylalanine or L-proline [published online ahead of print, 2022 May 11]. *Bioorg Chem.* 2022;126:105865.

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

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