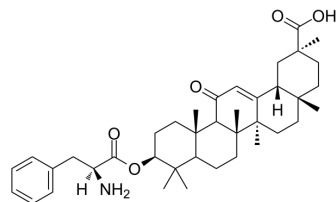


Anticancer agent 58

| | |
|--------------------|---|
| Cat. No.: | HY-146461 |
| Molecular Formula: | C ₃₉ H ₅₅ NO ₅ |
| Molecular Weight: | 617.86 |
| Target: | Apoptosis; Caspase; 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 58 (compound 16) has inhibitory activity against kinds of cancer cell lines, especially in A549 and T24 with IC ₅₀ s of 0.6 μM and 0.7 μM, respectively. Anticancer agent 58 induces apoptosis by activating caspase 3/8/9 activity, and induces an increase of Ca ²⁺ and ROS in cancer cells. Anticancer agent 58 significantly decreases mitochondrial membrane potential. Anticancer agent 58 can suppress tumor growth in T24 mouse xenograft model ^[1] . |
| IC ₅₀ & Target | IC ₅₀ : 0.6 μM in A549, 0.7 μM T24 ^[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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