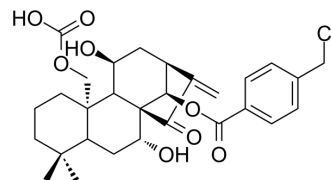


Antiproliferative agent-4

Cat. No.:	HY-146354
Molecular Formula:	C ₂₉ H ₃₅ ClO ₈
Molecular Weight:	547.04
Target:	Apoptosis; Reactive Oxygen Species
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antiproliferative agent-4 (compound 2y) has excellent anti-proliferative activity against certain cancer cell lines. Antiproliferative agent-4 reduces the mitochondrial membrane potential, and increases the apoptosis rate and the level of ROS on EC109. Antiproliferative agent-4 inhibits tumour growth in nude mice, with low toxicity ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.13 ± 0.01 μM in EC109, 0.27 ± 0.02 μM in TE-1, 0.20 ± 0.01 μM in MGC-803, 0.35 ± 0.03 μM in MCF-7 ^[1]
In Vitro	Antiproliferative agent-4 has inhibitory activity against cancer cell lines EC109, TE-1, MGC-803 and MCF-7 with IC ₅₀ s of 0.13 ± 0.01 μM, 0.27 ± 0.02 μM, 0.20 ± 0.01 μM and 0.35 ± 0.03 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Huo JF, et al. Synthesis and in vitro and in vivo biological evaluation of novel derivatives of flexicaulin A as antiproliferative agents. *Eur J Med Chem.* 2020;208:112789.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA