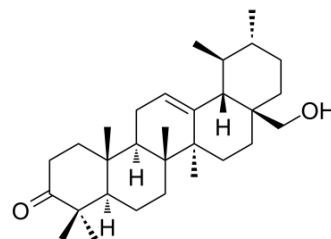


Waltonitone

Cat. No.:	HY-128366
CAS No.:	1252676-55-3
Molecular Formula:	C ₃₀ H ₄₈ O ₂
Molecular Weight:	440.7
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Waltonitone is a ursane-type pentacyclic triterpene isolated from <i>Gentian waltonii</i> Burkill. Waltonitone significantly inhibits hepatocellular carcinoma cells growth and induces apoptosis in vitro and in vivo ^[1] .
In Vitro	waltonitone (10 μM, 25 μM; for 48 hours) results in an increment of sub-G1 population in BEL-7402 cells ^[1] . Waltonitone (25 μM; for 48 hours) induces BEL-7402 cells apoptosis ^[1] . Waltonitone (25 μM; for 48 hours) can effectively activate caspase-3 in BEL-7402 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Waltonitone (i.v.; 20 mg/kg or 50 mg/kg; once every two days for 16 days) inhibits BEL-7402 tumor growth in male athymic mice (BALB/c nu/nu) in vivo ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhang Z, et al. Waltonitone induces human hepatocellular carcinoma cells apoptosis in vitro and in vivo. *Cancer Lett.* 2009 Dec 28;286(2):223-31.

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

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