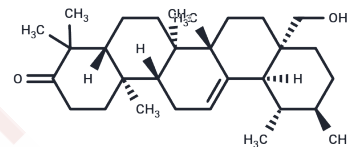


## Waltonitone

## Chemical Properties

CAS No. :	1252676-55-3
Formula:	C <sub>30</sub> H <sub>48</sub> O <sub>2</sub>
Molecular Weight:	440.7
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Waltonitone is a natural ursane-type pentacyclic triterpene isolated from <i>Gentian waltonii</i> Burkill.
Targets(IC50)	Apoptosis,Others
In vitro	In BEL-7402 cells,waltonitone (10 $\mu$ M, 25 $\mu$ M; for 48 hours) results in an increment of sub-G1 population . Waltonitone (25 $\mu$ M; for 48 hours) induces BEL-7402 cells apoptosis. In BEL-7402 cells, Waltonitone (25 $\mu$ M; for 48 hours) can effectively activate caspase-3 .
In vivo	In male athymic mice (BALB/c nu/nu), Waltonitone administered intravenously (i.v.; 20 mg/kg or 50 mg/kg) at intervals of every other day for a duration of 16 days, effectively inhibits BEL-7402 tumor growth in vivo.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2691 mL	11.3456 mL	22.6912 mL
5 mM	0.4538 mL	2.2691 mL	4.5382 mL
10 mM	0.2269 mL	1.1346 mL	2.2691 mL
50 mM	0.0454 mL	0.2269 mL	0.4538 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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