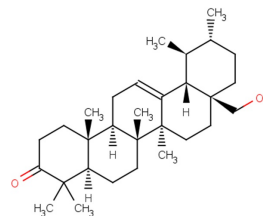


Waltonitone

Chemical Properties

CAS No.:	1252676-55-3
Formula:	C ₃₀ H ₄₈ O ₂
Molecular Weight:	440.7
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Waltonitone is a natural ursane-type pentacyclic triterpene isolated from <i>Gentian waltonii</i> Burkill.
Targets(IC ₅₀)	Others: None
In vitro	In BEL-7402 cells, waltonitone (10 μM, 25 μM; for 48 hours) results in an increment of sub-G1 population. Waltonitone (25 μM; for 48 hours) induces BEL-7402 cells apoptosis. In BEL-7402 cells, Waltonitone (25 μM; for 48 hours) can effectively activate caspase-3.
In vivo	In male athymic mice (BALB/c nu/nu) in vivo, Waltonitone (i.v.; 20 mg/kg or 50 mg/kg; once every two days for 16 days) inhibits BEL-7402 tumor growth.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.269 mL	11.346 mL	22.691 mL
5 mM	0.454 mL	2.269 mL	4.538 mL
10 mM	0.227 mL	1.135 mL	2.269 mL
50 mM	0.045 mL	0.227 mL	0.454 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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