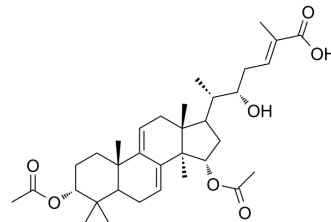


Ganoderic acid T1

Cat. No.:	HY-N11648
Molecular Formula:	C ₃₄ H ₅₀ O ₇
Molecular Weight:	570.76
Target:	Apoptosis; Caspase
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ganoderic acid T1 is a deacetylated derivative of Ganoderic acid T. Ganoderic acid T1 attenuates antioxidant defense system and induces apoptosis of cancer cells. Ganoderic acid T1 decreases mitochondrial membrane potential and activates caspase-9 and caspase-3, to trigger apoptosis. Ganoderic acid T1 also increases the generation of intracellular ROS to produce pro-oxidant activities and cytotoxicity ^[1] .	
IC ₅₀ & Target	Caspase 3	Caspase-9

REFERENCES

[1]. Liu RM, et al. Structurally related ganoderic acids induce apoptosis in human cervical cancer HeLa cells: Involvement of oxidative stress and antioxidant protective system. Chem Biol Interact. 2015 Oct 5;240:134-44.

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

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