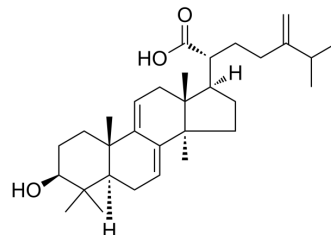


Dehydrotrametenolic acid

Cat. No.:	HY-N2490		
CAS No.:	6879-05-6		
Molecular Formula:	C ₃₁ H ₄₈ O ₃		
Molecular Weight:	468.71		
Target:	Caspase; Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 1 mg/mL (2.13 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.1335 mL	10.6676 mL	21.3352 mL
5 mM	---	---	---
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Dehydrotrametenolic acid is a sterol isolated from the sclerotium of *Poria cocos*. Dehydrotrametenolic acid induces apoptosis through caspase-3 pathway. Dehydrotrametenolic acid has anti-tumor activity, anti-inflammatory, anti-diabetic effects^[1].

IC₅₀ & Target

Caspase-3

In Vitro

Dehydrotrametenolic acid selectively inhibits the growth of H-ras transformed cells with a GI₅₀ value of 40 μM^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kang HM, et al. Dehydrotrametenolic acid selectively inhibits the growth of H-ras transformed rat2 cells and induces apoptosis through caspase-3 pathway. Life Sci. 2006 Jan 2;78(6):607-13.

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

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