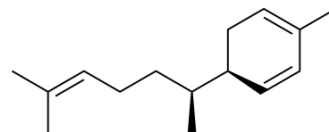


Zingiberene

Cat. No.:	HY-14618		
CAS No.:	495-60-3		
Molecular Formula:	C ₁₅ H ₂₄		
Molecular Weight:	204.35		
Target:	Autophagy		
Pathway:	Autophagy		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Zingiberene (α -Zingiberene) is a monocyclic sesquiterpene which is the predominant constituent of ginger with oil content (Zingiber officinale). Neuroprotective potential ^[1] . Zingiberene triggers autophagy. Anticancer activity ^[2] .
In Vitro	Zingiberene (6.25, 12.5, 25, 50 and 100 μ g/mL; 24 hours) attenuates hydrogen peroxide-induced toxicity in neuronal cells ^[1] . Zingiberene (0, 10, 20 and 40 μ M; 24 hours) considerably inhibits the proliferation of Colon cancer (CC) cells ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. B Togar, et al. Zingiberene attenuates hydrogen peroxide-induced toxicity in neuronal cells. Hum Exp Toxicol. 2015 Feb;34(2):135-44.

[2]. Hai Chen, Zingiberene inhibits in vitro and in vivo human colon cancer cell growth via autophagy induction, suppression of PI3K/AKT/mTOR Pathway and caspase 2 deactivation. J BUON. Jul-Aug 2019;24(4):1470-1475.

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