Xylopine

®

MedChemExpress

Cat. No.:	HY-N9534	
CAS No.:	517-71-5	/
Molecular Formula:	C ₁₈ H ₁₇ NO ₃	U,
Molecular Weight:	295.33	~
Target:	Reactive Oxygen Species; Apoptosis	
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis	
Storage:	4°C, sealed storage, away from moisture and light	0
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture	
	and light)	

A N H H

BIOLOGICAL ACTIV				
Description		alkaloid with cytotoxic activity on cancer cells. Xylopine induces oxidative stress, causes G2/M cell s in cancer cells ^[1] .		
In Vitro	Xylopine (72 h) has cytoto HCT116, HepG2, SCC-9, H Xylopine (3.5 μM-14 μM; 2 fragmentation ^[1] . Xylopine (3.5 μM-14 μM; 2 depolarization, and increa Xylopine also causes an in peroxide and nitric oxide, HCT116 cells ^[1] .HCT116 ce 7 μM, and 14 μM 24 hours,	ylopine (3.5 μM-14 μM; 24-48 hours) significantly increases the early and late apoptosis, induces mitochondrial epolarization, and increases caspase-3 activation ^[1] . ylopine also causes an increase in the production of reactive oxygen/nitrogen species (ROS/RNS), including hydrogen eroxide and nitric oxide, but not superoxide anion, and reduces glutathione levels are decreased in Xylopine-treated CT116 cells ^[1] .HCT116 cells ^[1] 3.5 μM, 7 μM, and 14 μM 24 hours, 48 hoursInduced G2/M phase arrest.HCT116 cells ^[1] 3.5 μM, μM, and 14 μM 24 hours, 48 hours are been been been been been been been be		
	Cell Line:	HCT116 cells		
	Concentration:	3.5 μM, 7 μM, and 14 μM		
	Incubation Time:	24 hours, 48 hours		
	Result:	Displayed potent cytotoxicity in HCT116 cells.		
	Cell Cycle Analysis ^[1]			
	Cell Line:	HCT116 cells		
	Concentration:	3.5 μM, 7 μM, and 14 μM		
	Incubation Time:	24 hours, 48 hours		
	Result:	Induced G2/M phase arrest.		

Product Data Sheet

Apoptosis Analysis ^[1]	
Cell Line:	HCT116 cells
Concentration:	3.5 μM, 7 μM, and 14 μM
Incubation Time:	24 hours, 48 hours
Result:	Significantly increased the early and late apoptosis.

REFERENCES

[1]. Luciano de Souza Santos, et al. Xylopine Induces Oxidative Stress and Causes G 2/M Phase Arrest, Triggering Caspase-Mediated Apoptosis by p53-Independent Pathway in HCT116 Cells. Oxid Med Cell Longev. 2017;2017:7126872.

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

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