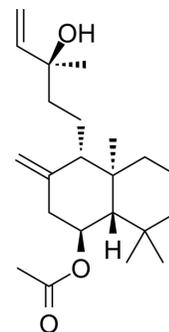


Larixyl acetate

Cat. No.:	HY-101795		
CAS No.:	4608-49-5		
Molecular Formula:	C ₂₂ H ₃₆ O ₃		
Molecular Weight:	348.52		
Target:	TRP Channel; HPV		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (286.93 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8693 mL	14.3464 mL	28.6928 mL
	5 mM	0.5739 mL	2.8693 mL	5.7386 mL
	10 mM	0.2869 mL	1.4346 mL	2.8693 mL

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

BIOLOGICAL ACTIVITY

Description

Larixyl acetate is a potent and selective TRPC6 inhibitor with IC₅₀ values of 0.58 μM and 6.83 μM against hTRPC6-YFP and hTRPC3-YFP, respectively. Larixyl acetate prevents HPV and is effective in protecting against traumatic brain injury-induced systemic endothelial dysfunction^{[1][2]}.

IC₅₀ & Target

hTRPC6 0.58 μM (IC ₅₀)	hTRPC3 6.83 μM (IC ₅₀)
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CUSTOMER VALIDATION

- Int J Mol Sci. 2023 Nov 25, 24(23), 16756.
- Mol Med Rep. 2024 Mar;29(3):49.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Urban N, et al. Identification and Validation of Larixyl Acetate as a Potent TRPC6 Inhibitor. Mol Pharmacol. 2016 Jan;89(1):197-213.
- [2]. Chen X, et al. The TRPC6 inhibitor, larixyl acetate, is effective in protecting against traumatic brain injury-induced systemic endothelial dysfunction. J Neuroinflammation. 2019 Jan 31;16(1):21.
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Caution: Product has not been fully validated for medical applications. For research use only.

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