3-Oxo-hop-22(29)-ene

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Cat. No.: CAS No.: Molecular Formula: Molecular Weight: Target: Pathway:	HY-N10440 25615-11-6 C ₃₀ H ₄₈ O 424.7 Glucosidase Metabolic Enzyme/Protease	
Pathway: Storage:	Metabolic Enzyme/Protease Please store the product under the recommended conditions in the Certificate of Analysis.	ў ∕∖н

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Description	3-0xo-hop-22(29)-ene is a y	reast α-glucosidase inhibitor. 3-Oxo-hop-22(29)-ene shows a moderate effect on the viability of T.		
	cruzi and L. mexicana. 3-Oxo-hop-22(29)-ene shows marginal activity of anti-inflammatory ^[1] .			
In Vitro	 3-Oxo-hop-22(29)-ene (compound 2) (50 μM; 24 hours) reduces the viability of T. cruzi by more than 20%, and has a moderate effecton on T. rangeli and L. mexicana^[1]. 3-Oxo-hop-22(29)-ene (10, 100 μM; 48 hours) causes 1.51% and 7.39% inhibition activity to yeast α-glucosidase respectively ^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Line: Saccharomyces cerevisiae (type 1) and mammalian yeast (type 2) α-glucosidases T. cruzi 			
	cell Line:	T. rangeli, L. mexicana		
	Concentration:	10 µМ, 50 µМ, 100 µМ		
	Incubation Time:	24 hours, 48 hours		
	Result:	Reduced the viability of T. cruzi by more than 20%, and had a moderate effecton on T. rangeli and L. mexicana Inhibited Yeast α-glucosidase.		
In Vivo	3-Oxo-hop-22(29)-ene (0.31 μmol/ear; application; once) decreases 17.50 % the inflammation of mouse ear edema model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			
	Animal Model:	Adult male CD-1 mice (25-30 g) (Mouse ear edema model induced by 12-O-tetradecanoylphorbol acetate (TPA)) $^{[1]}$		
	Dosage:	0.31 μmol/ear		
	Administration:	Apply to both faces of the right ear; once		
	Result:	Decreased 17.50% the inflammation of mouse ear edema model.		

Product Data Sheet

REFERENCES

[1]. López-Huerta FA, et al. Hopane-type triterpenes from Cnidoscolus spinosus and their bioactivities. Bioorg Chem. 2020 Jul;100:103919.

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

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