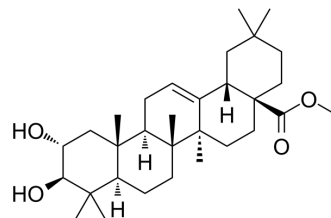


Methyl maslinate

Cat. No.:	HY-N10452
CAS No.:	22425-82-7
Molecular Formula:	C ₃₁ H ₅₀ O ₄
Molecular Weight:	486.73
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methyl maslinate is a β -adrenergic antagonist. Methyl maslinate is a potent cardiotonic and antidysrhythmic agent. Methyl maslinate has the potential for hypertension research ^[1] .								
In Vivo	<p>Methyl maslinate (MM) (20-60 mg/kg; i.p.) shows significant, dose-dependent vasodepressor effect and sinus bradycardia, lasting more than 60 minutes with a maximum at 20 minutes, and shows potent hemodynamic effect^[1].</p> <p>Methyl maslinate (40 mg/kg) shows antidysrhythmic activity on ischemia-reperfusion dysrhythmia^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Wistar male rats (300-320 g)^[1]</td> </tr> <tr> <td>Dosage:</td> <td>20-60 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Intraperitoneal injection; once</td> </tr> <tr> <td>Result:</td> <td> <p>Showed significant, dose-response vasodepressor effect and sinus bradycardia.</p> <p>Antagonized β-Adrenergic.</p> <p>Showed antidysrhythmic activity.</p> </td> </tr> </table>	Animal Model:	Wistar male rats (300-320 g) ^[1]	Dosage:	20-60 mg/kg	Administration:	Intraperitoneal injection; once	Result:	<p>Showed significant, dose-response vasodepressor effect and sinus bradycardia.</p> <p>Antagonized β-Adrenergic.</p> <p>Showed antidysrhythmic activity.</p>
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REFERENCES

[1]. Somova LI, et al. Cardiotoxic and antidysrhythmic effects of oleanolic and ursolic acids, methyl maslinate and uvaol. *Phytomedicine*. 2004 Feb;11(2-3):121-9.

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

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