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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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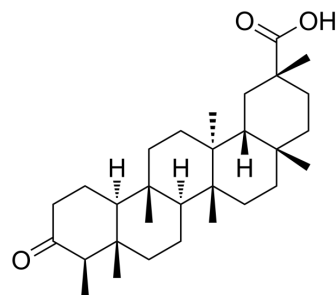
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Polpunonic acid

Cat. No.:	HY-123709
CAS No.:	33600-93-0
Molecular Formula:	C ₃₀ H ₄₈ O ₃
Molecular Weight:	456.7
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Polpunonic acid (Maytenonic acid) is a natural triterpene compound with anti-arthritis and analgesic properties ^[1] .								
In Vivo	<p>Polpunonic acid (3-30 mg/kg; p.o; once) exhibits analgesic activity in the tail suspension test^[1]. 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>Male ICR mice (20-25 g) treated the tail immersion test^[1]</td> </tr> <tr> <td>Dosage:</td> <td>3 mg/kg, 10 mg/kg, and 30 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>p.o; once</td> </tr> <tr> <td>Result:</td> <td>Exhibited significant anti-nociceptive effects with an ED50 of 3.70 mg/kg.</td> </tr> </table>	Animal Model:	Male ICR mice (20-25 g) treated the tail immersion test ^[1]	Dosage:	3 mg/kg, 10 mg/kg, and 30 mg/kg	Administration:	p.o; once	Result:	Exhibited significant anti-nociceptive effects with an ED50 of 3.70 mg/kg.
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REFERENCES

[1]. Isaac Tabiri Henneh, et al. Analgesic Effect of Ziziphus abyssinica Involves Inhibition of Inflammatory Mediators and Modulation of KATP Channels, Opioidergic and Nitrgergic Pathways. Front Pharmacol. 2021 Jul 20;12:714722.

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

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