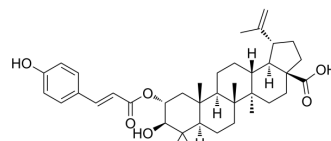


2-O-trans-p-Coumaroylalphitolic acid

Cat. No.:	HY-N12744
CAS No.:	67911-63-1
Molecular Formula:	C ₃₉ H ₅₄ O ₆
Molecular Weight:	618.84
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-O-trans-p-Coumaroylalphitolic acid (Zj7) is a triterpene which can be extracted from jujube plants. 2-O-trans-P-Coumaroyl alphitolic acid is a selective modulator of glucocorticoid receptor (GR). 2-O-trans-P-coumaroyl alphitolic acid can be used in the study of obesity ^[1] .								
In Vivo	<p>2-O-trans-P-Coumaroylalphitolic acid (50 mg/kg, intrabitoneal injection every day for 2 weeks) has anti-obesity effects on obese mice with high fat diet (DIO) and db/db mice ^[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>DIO mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>50 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p. every day for 2 weeks</td> </tr> <tr> <td>Result:</td> <td>enhanced insulin sensitivity. Repressed. the expression of AgRP, Npy and Cdkn1a in the ARC</td> </tr> </table>	Animal Model:	DIO mice ^[1]	Dosage:	50 mg/kg	Administration:	i.p. every day for 2 weeks	Result:	enhanced insulin sensitivity. Repressed. the expression of AgRP, Npy and Cdkn1a in the ARC
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REFERENCES

[1]. Lee J, et al. Characterization of a new selective glucocorticoid receptor modulator with anorexigenic activity. Sci Rep. 2024 Apr 3;14(1):7844.

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

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