



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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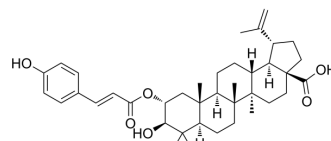
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## 2-O-trans-p-Coumaroylalphitolic acid

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-N12744   |
| CAS No.:           | 67911-63-1  |
| Molecular Formula: | C <sub>39</sub> H <sub>54</sub> O <sub>6</sub>  |
| 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

|                    |  |               |                         |         |          |                 |                            |         |   |
|--------------------|--|---------------|-------------------------|---------|----------|-----------------|----------------------------|---------|---|
| <b>Description</b> | 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 <sup>[1]</sup> .   |               |                         |         |          |                 |                            |         |   |
| <b>In Vivo</b>     | <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<sup>[1]</sup>.</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<sup>[1]</sup></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.<br/>Repressed. the expression of AgRP, Npy and Cdkn1a in the ARC</td> </tr> </table> | Animal Model: | DIO mice <sup>[1]</sup> | Dosage: | 50 mg/kg | Administration: | i.p. every day for 2 weeks | Result: | enhanced insulin sensitivity.<br>Repressed. the expression of AgRP, Npy and Cdkn1a in the ARC |
| Animal Model:      | DIO mice <sup>[1]</sup>  |               |                         |         |          |                 |                            |         |   |
| Dosage:            | 50 mg/kg   |               |                         |         |          |                 |                            |         |   |
| Administration:    | i.p. every day for 2 weeks   |               |                         |         |          |                 |                            |         |   |
| Result:            | enhanced insulin sensitivity.<br>Repressed. the expression of AgRP, Npy and Cdkn1a in the ARC  |               |                         |         |          |                 |                            |         |   |

### 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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