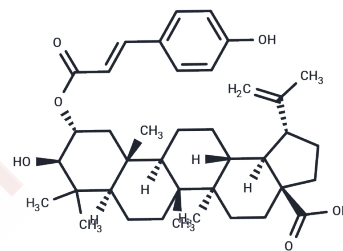


2-O-trans-p-Coumaroylalphitolic acid

Chemical Properties

CAS No. :	67911-63-1
Formula:	C ₃₉ H ₅₄ O ₆
Molecular Weight:	618.84
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	2-O-trans-p-Coumaroylalphitolic acid (Zj7), a triterpene sourced from jujube plants, functions as a selective modulator of the glucocorticoid receptor (GR). This compound holds potential for use in obesity research [1].
Targets(IC50)	Glucocorticoid Receptor
In vivo	Administered at a dose of 50 mg/kg via intraperitoneal injection daily for two weeks, 2-O-trans-p-Coumaroylalphitolic acid shows anti-obesity effects in both high-fat diet-induced obese (DIO) mice and db/db mice [1]. The compound also improves insulin sensitivity and reduces the expression of Agrp, Npy, and Cdkn1a in the ARC.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6159 mL	8.0796 mL	16.1593 mL
5 mM	0.3232 mL	1.6159 mL	3.2319 mL
10 mM	0.1616 mL	0.808 mL	1.6159 mL
50 mM	0.0323 mL	0.1616 mL	0.3232 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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