

For Research Use Only

# 14-Deoxy-11,12-didehydroandrographolide



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Catalog Number: CM07171

## 产品信息

**Catalog Number:**  
CM07171

**CAS号:**  
42895-58-9

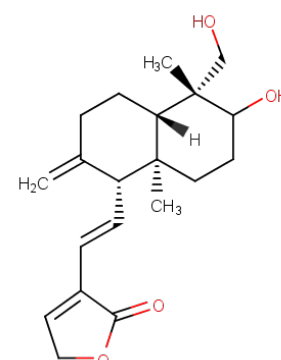
**分子式:**  
C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>

**主要靶点:**  
NF-κB

**主要通路:**  
NF-κB信号通路

**分子量:**  
332.43

**溶解度:**  
DMF:100 mg/mL (300.82 mM), Sonification is recommended.



## 体内活性

14-deoxy-11,12-didehydroandrographolide (1 mg/kg) dramatically reduces resistance and restores Cdyn in Ovalbumin-challenged mice in response to methacholine.

## 动物实验

Female BALB/c mice, 6 to 8 weeks old, are sensitized and challenged with OVA. Briefly, mice are sensitized by ip injections of 20 μg of OVA and 4 mg of Al(OH)<sub>3</sub> suspended in 0.1 mL of saline on days 0 and 14. On days 22, 23, and 24, mice are challenged with 1% OVA aerosol for 30 min. 14-deoxy-11,12-didehydroandrographolide (0.1, 0.5, and 1 mg/kg) or vehicle (1% DMSO) in 0.1 mL of saline is given by i.p injections 2 h before and 10 h after each OVA aerosol challenge.

## 细胞实验

A549 cells (3×10<sup>3</sup>/well), BEAS-2B cells (5×10<sup>3</sup>/well), and RBL-2H3 cells (3×10<sup>3</sup>/well) are seeded in flat-bottomed 96-well plates overnight and then incubated with increasing concentrations (3-120 μM) of 14-deoxy-11,12-didehydroandrographolide for 24 and 48 h at 37°C. Cell viability is analyzed using the CellTiter 96 Aqueous cell proliferation assay. Absorbance is recorded at 490 nm.

## 描述

14-Deoxy-11,12-didehydroandrographolide has hypotensive, anti-inflammatory, anti-asthma, and anti-cancer actions. It can inhibit NF-κB activation.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

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