

## Serratenediol Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Serratenediol

**Catalog No.:** CFN98216

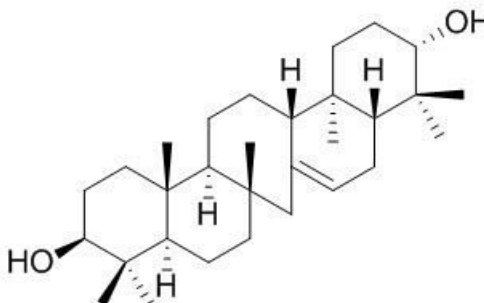
**Cas No.:** 2239-24-9

**Purity:** > 95%

**M.F:** C<sub>30</sub>H<sub>50</sub>O<sub>2</sub>

**M.W:** 442.7

**Physical Description:** Powder



**Synonyms:** (3S,4aR,6aS,9aR,11S,13aR,13bS,15aS,15bR)-4,4,6a,10,10,13a,15b-heptamethyl-2,3,4,4a,5,6,6a,7,9,9a,10,11,12,13,13a,13b,14,15,15a,15b-icosahydro-1H-cyclohepta[1,2-a:5,4-a']dinaphthalene-3,11-diol.

### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

### [ Source ]

The herbs of *Lycopodium serratum* Thunb.

## **[ Biological Activity or Inhibitors ]**

Serratenediol can promote the proliferation rate, alkaline phosphate (ALP) activity and some osteogenic gene expression of osteoblasts, it is one of the effective component from *Lycopodium obscurum* L. for bone healing.<sup>[1]</sup>

Serratenediol demonstrates strong inhibitory effects on the Epstein-Barr virus early antigen (EBV-EA) activation without showing any cytotoxicity, its effects being stronger than that of a representative control, oleanolic acid.<sup>[2]</sup>

## **[ Solvent ]**

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

## **[ HPLC Method ]**

Not data available.

## **[ Storage ]**

2-8°C, Protected from air and light, refrigerate or freeze.

## **[ References ]**

[1] Wang C, Tang J, Wei T, *et al.* *Journal of South-Central University for Nationalities (Natural Science Edition)*, 2012, 31(3):33-7.

[2] Tanaka R, Minami T, Ishikawa Y, *et al.* *Cancer Lett.*, 2003 Jul 10;196(2):121-6.

## **[ Contact ]**

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