**Product Information**

**Name:** Benzoylmesaconine  
**Catalog No.:** CFN98575  
**CAS No.:** 63238-67-5  
**Purity:** 98%  
**M.F:** C$_{31}$H$_{43}$NO$_{10}$  
**M.W:** 589.68  
**Physical Description:** Powder  
**Synonyms:** (1alpha,3alpha,6alpha,10alpha,13alpha,14alpha,15alpha,16beta,17xi)-3,8,13,15-tetrahydroxy-1,6,16-trimethoxy-4-(methoxymethyl)-20-methylaconitan-14-yl benzoate.

**Intended Use**

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

**Source**

The branch root of *Aconitum carmichaeli Debx.*
**[ Biological Activity or Inhibitors]**

Benzoylmesaconine (BEN, an aconitine derivative extracted from heated-Aconiti tuber) induces the generation of CD4+ T cells antagonistic to type 2 T cells (BEN-CD4+ T cells), the combination therapy of IL-12 (an inducer of type 1 T cell responses) and BEN (an inhibitor of type 2 T cell responses) may protect TI-mice from severe HSV-1 infection. Benzoylmesaconine has antinociceptive effects.[1] Benzoylmesaconine has inhibition effects on opportunistic herpesvirus infections in mice with acquired immunodeficiency syndrome.[2]

**[ Solvent ]**

Pyridine, DMSO, Methanol.

**[ HPLC Method ][3]**

Mobile phase: 0.04 M Triethylamine (adjust pH to 3 with H3PO4) Methanol=54.5:45.5;
Flow rate: 1.0 ml/min;
Column temperature: 40 °C;
The wave length of determination: 235 nm.

**[ Storage ]**

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

**[ References ]**


**[ Contact ]**
Address:
S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com
Tel: +86-27-84237783
Fax: +86-27-84254680
Web: www.chemfaces.com
Tech Support: service@chemfaces.com