

## Cameric acid Datasheet

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

### [ Product Information ]

**Name:** Cameric acid

**Catalog No.:** CFN99606

**Cas No.:** 146450-83-1

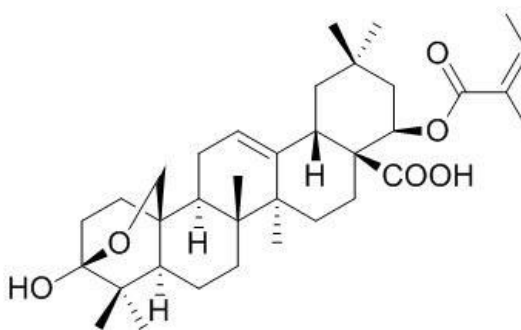
**Purity:** > 95%

**M.F:** C<sub>35</sub>H<sub>52</sub>O<sub>6</sub>

**M.W:** 568.8

**Physical Description:** Powder

**Synonyms:** Olean-12-en-28-oic acid, 3,25-epoxy-3-hydroxy-22-[[[(2Z)-2-methyl-1-oxo-2-buten-1-yl]oxy]-, (3b,22b)-.



### [ Intended Use ]

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

### [ Source ]

The herbs of *Lantana camara*.

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

Camaric acid, lantanilic acid, and oleanolic acid possess nematocidal activity, they exhibit 95%, 98% and 70% mortality respectively against root-knot nematode *Meloidogyne incognita* at 0.5% concentration.<sup>[1]</sup>

Camaric acid shows antibacterial activity against *Staphylococcus aureus* and methicillin resistant *S. aureus* with  $IC_{50}$  values 8.74 and 8.09  $\mu$ M, respectively, it also shows moderate antileishmanial activity and highly potent antitrypanosomal activity.<sup>[2]</sup>

Camaric acid shows anticancer activity. <sup>[3]</sup>

Camaric acid shows significant topical anti-inflammatory activity with  $IC_{50}$  value of 0.67 mg/ear in the assay of TPA mouse ear oedema model.<sup>[4]</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] F. Qamar, S. Begum, S. M. Raza, *et al. Nat.Prod.Res.*,2005, 19(6):609-13.

[2] Saleh M, Kamel A, Li X, *et al. Pharm. Biol.*,2008, 37(1):63-6.

[3] Innocent E, Moshi M J, Shah T, *et al. Spatula Dd*, 2011,4(1):213-8.

[4] Ahmad F, Lau L C, Ali R M, *et al. Kean. OngBoo.*,2004.

## **[ Contact ]**

**Address:**

**Email:** info@chemfaces.com

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)