

## beta-Amyrin palmitate Datasheet

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

### [ Product Information ]

**Name:** beta-Amyrin palmitate

**Catalog No.:** CFN97009

**Cas No.:** 5973-06-8

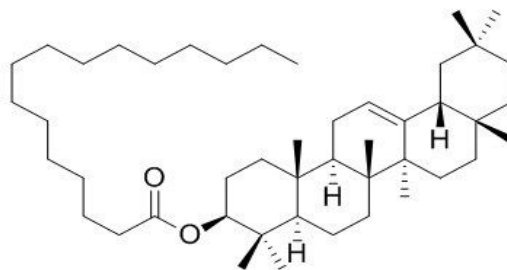
**Purity:** > 95%

**M.F:** C<sub>46</sub>H<sub>80</sub>O<sub>2</sub>

**M.W:** 665.1

**Physical Description:** Powder

**Synonyms:** 5 $\alpha$ -Oleana-12-ene-3 $\beta$ -ol hexadecanoate; Olean-12-en-3 $\beta$ -ol hexadecanoate.



### [ Intended Use ]

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

### [ Source ]

The root of *Periploca sepium* Bung.

### [ Biological Activity or Inhibitors ]

beta-Amyrin palmitate has antidepressant activity, it may release norepinephrine from

newly synthesized pools, and thus, it may activate noradrenergic activity.<sup>[1]</sup>

$\beta$ -Amyrin palmitate and  $\beta$ -amyirin acetate have antidyslipidemic activity, they shows significant HMG-CoA-reductase inhibition.<sup>[2]</sup>

$\beta$ -Amyrin palmitate has remarkable anti-hyperglycemic activity in orally glucose loaded rats, it exhibits excellent anti-diabetes mellitus activity in both alloxan-diabetic and streptozotocin-diabetic rats at a very low concentration (50ug/kg body weight); one of the mechanisms of action of  $\beta$ -amyirin palmitate appears to be blocking the entry of glucose from the intestine.<sup>[3]</sup>

$\beta$ -Amyrin palmitate possesses high anti-inflammatory activity at the low concentration (0.0102uM).<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] Subarnas A, Tadano T, Nakahata N, *et al. Life Sci.*,1993, 52(3):289-96.

[2] Maurya R, Srivastava A, Shah P, *et al. Phytomedicine.*,2012 Jun 15;19(8-9):682-5.

[3] Nair S A, Sabulal B, Radhika J, *et al. Eur. J. Pharmacol.*,2014 Jul 5;734:77-82.

[4] Abed S A, Sirat H M, Zulkifli R M. *Phytochem. Lett.*, 2015,13:20-9.

### **[ 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)