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3rd Edition (Revised in January, 2014)

## **[ Product Information ]**

**Name:** Octacosyl (E)-ferulate

**Catalog No.:** CFN99034

**Cas No.:** 101959-37-9

**Purity:** > 98%

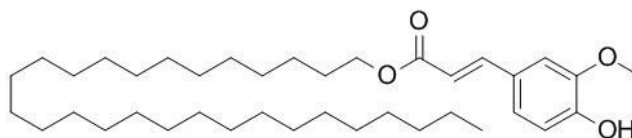
**M.F:** C<sub>38</sub>H<sub>66</sub>O<sub>4</sub>

**M.W:** 586.9

**Physical Description:** Powder

**Synonyms:**

2-Propenoicacid, 3-(4-hydroxy-3-methoxyphenyl)-, octacosyl ester, (E)-; Erythrasinate B



## **[ Intended Use ]**

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

## **[ Source ]**

The bark of *Erythrina latissima*

### **[ Applications ]**

Octacosyl ferulate markedly inhibited the inflammatory activity induced by TPA in mice. The 50% inhibitory dose of octacosyl ferulate is 0.7 mg/ear on TPA-induced inflammation. Furthermore, octacosyl ferulate suppressed markedly the tumour-promoting effect of TPA on skin tumour formation following initiation with DMBA. Since protein kinase C (PK-C) was shown to be an intracellular target of TPA, effects of octacosyl ferulate on the activity of this enzyme were investigated. Octacosyl ferulate also inhibited the phosphorylation of histon III-S by PK-C in a concentration dependent manner.

### **[ Solvent ]**

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

### **[ HPLC Method ]**

Mobile phase: Methanol - H<sub>2</sub>O gradient elution;

Flow rate: 1.0 ml/min;

The wave length of determination: 230 nm.

### **[ Storage ]**

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

### **[ References ]**

1. *Chemistry & Biodiversity*, 2011, 8(9), 1709-1716.
2. *Phytotherapy Research*, 1998, 12(4), 261-265.