

## 4-O-Feruloylquinic acid Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** 4-O-Feruloylquinic acid

**Catalog No.:** CFN92392

**Cas No.:** 2613-86-7

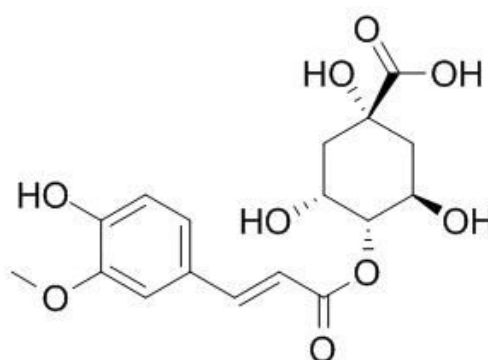
**Purity:** > 98%

**M.F:** C<sub>17</sub>H<sub>20</sub>O<sub>9</sub>

**M.W:** 368.3

**Physical Description:** Powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The fruits of *Coffea canephora* var. *Robusta*.

### [ Biological Activity or Inhibitors ]

4-O-Feruloylquinic acid is significant bioactive phenolic in Devil's club( *Oplonanax horridus* (Sm.) Miq.) extract, may have strong ORAC and DPPH radical scavenging activities and exhibit a strong anti-proliferative ability against HT-29 cancer cells.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: Methanol- 0.2%Formic acid H<sub>2</sub>O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Qi Y, Feng C, Hui N, *et al. Food Chem.*, 2012, 135(1):199-207.

[2] Sayed A M E, Ezzat S M, Naggat M M E, *et al. Rev. Bras. De .Farmacogn.*, 2016, 26(3):352-62.

## **[ Contact ]**

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