

## Certificate of Analysis

**Product Name:** Methyl 2,5-dihydroxycinnamate

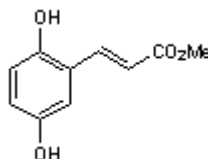
**Catalog No.:** 0577

**Batch No.:** 2

CAS Number: 63177-57-1

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>10</sub>H<sub>10</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 194.19  
**Physical Appearance:** Light yellow solid  
**Solubility:** ethanol to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.4 (Ethyl acetate:Petroleum ether [1:1])  
**Melting Point:** Between 186 - 188°C(Dec)  
**HPLC:** Shows >98.6% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	61.85	5.19	0
Found	61.62	5.12	0

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**Product Name:** Methyl 2,5-dihydroxycinnamate

**Catalog No.:** 0577

**Batch No.:** 2

CAS Number: 63177-57-1

**Description:**

Erbstatin analog. Inhibitor of EGF receptor-associated tyrosine kinases.

**Physical and Chemical Properties:**

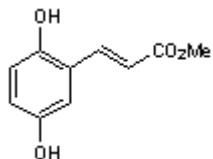
Batch Molecular Formula: C<sub>10</sub>H<sub>10</sub>O<sub>4</sub>

Batch Molecular Weight: 194.19

Physical Appearance: Light yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

ethanol to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Isshiki et al** (1990) Inhibition of epidermal growth factor-induced DNA synthesis by tyrosine kinase inhibitors. *FEBS Lett.* **260** 198. PMID: 2298299.

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