



**Optical Rotation:**  $[\alpha]_{\text{D}}^{23} -21$  (c, 0.3 in Me<sub>2</sub>CO)

>>>**Derivative:** 1-*O*-4-Hydroxy-3-methoxycinnamoyl(*E*-)

**Synonym(s):** *p*-Hydroxyphenethyl *trans*-ferulate

**CAS Registry Number:** 84873-15-4

**Molecular Formula:** C<sub>18</sub>H<sub>18</sub>O<sub>5</sub>

**Molecular Weight:** 314.337

**Accurate Mass:** 314.115425

**Percentage Composition:** C 68.78%; H 5.77%; O 25.45%

**Biological Source:** Constit. of *Heracleum lanatum* var. *nipponicum*, *Oenanthe javanica* and *Stephania longa*

**Physical Description:** Powder

**Melting Point:** Mp 165-166°

>>>**Derivative:** 4'-Me ether

**Synonym(s):** 2-(4-Methoxyphenyl)ethanol

**CAS Registry Number:** 702-23-8

**Molecular Formula:** C<sub>9</sub>H<sub>12</sub>O<sub>2</sub>

**Molecular Weight:** 152.193

**Accurate Mass:** 152.08373

**Percentage Composition:** C 71.03%; H 7.95%; O 21.03%

**Boiling Point:** Bp<sub>13</sub> 143°

**Aldrich:** 15418-0

**Fluka:** 65160

>>>**Derivative:** 4'-Me ether, 1-*O*-β-D-glucopyranoside

**Synonym(s):** Viridoside

**CAS Registry Number:** 78108-19-7

**Molecular Formula:** C<sub>15</sub>H<sub>22</sub>O<sub>7</sub>

**Molecular Weight:** 314.335

**Accurate Mass:** 314.136555

**Percentage Composition:** C 57.32%; H 7.05%; O 35.63%

**Biological Source:** Constit. of *Rhodiola viridula*. Also isol. from cell cultures of *Catharanthus roseus* and *Strobilanthes ayerianus* treated with *p*-methoxyphenylethylamine

**Melting Point:** Mp 115-116°

**Optical Rotation:**  $[\alpha]_{\text{D}}^{25} -28$  (c, 2 in MeOH)

>>>**Derivative:** 4'-*O*-(3-Methyl-2-butenyl)

**Synonym(s):** 2-[4-(Prenyloxy)phenyl]ethanol. **Etrogol**

**CAS Registry Number:** 119417-97-9

**Molecular Formula:** C<sub>13</sub>H<sub>18</sub>O<sub>2</sub>

**Molecular Weight:** 206.284

**Accurate Mass:** 206.13068

**Percentage Composition:** C 75.69%; H 8.79%; O 15.51%

**Biological Source:** Isol. from the roots of *Citrus* spp.

**Physical Description:** Oil

#### References: