



**Molecular Formula:** C<sub>17</sub>H<sub>27</sub>NO<sub>3</sub>  
**Molecular Weight:** 293.405  
**Accurate Mass:** 293.199094  
**Percentage Composition:** C 69.59%; H 9.27%; N 4.77%; O 16.36%  
**Biological Source:** Constit. of *Capsicum annuum*

>>Derivative: 3-Me ether, *N*-(7-methyl-5*E*-octenoyl)

**Synonym(s):** *N*-[(4-Hydroxy-3-methoxyphenyl)methyl]-7-methyl-5-octenamide, 9Cl. **Norcapsaicin**

**CAS Registry Number:** 61229-08-1  
**Extra CAS Registry Numbers(s):** 112375-60-7

**Molecular Formula:** C<sub>17</sub>H<sub>25</sub>NO<sub>3</sub>  
**Molecular Weight:** 291.389  
**Accurate Mass:** 291.183444  
**Percentage Composition:** C 70.07%; H 8.65%; N 4.81%; O 16.47%  
**Biological Source:** Constit. of *Capsicum annuum*

>>Derivative: 3-Me ether, *N*-(9-methyldecanoyl)

**Synonym(s):** *N*-[(4-Hydroxy-3-methoxyphenyl)methyl]-9-methyldecanamide, 9Cl. **Homodihydrocapsaicin**

**CAS Registry Number:** 20279-06-5

**Molecular Formula:** C<sub>19</sub>H<sub>31</sub>NO<sub>3</sub>  
**Molecular Weight:** 321.459  
**Accurate Mass:** 321.230394  
**Percentage Composition:** C 70.99%; H 9.72%; N 4.36%; O 14.93%  
**Biological Source:** Constit. of *Capsicum annuum*

>>Derivative: 3-Me ether, *N*-(9-methyl-7*E*-decenoyl)

**Synonym(s):** *N*-[(4-Hydroxy-3-methoxyphenyl)methyl]-9-methyl-7-decenamide. **Homocapsaicin**

**CAS Registry Number:** 58493-48-4  
**Extra CAS Registry Numbers(s):** 112375-61-8

**Molecular Formula:** C<sub>19</sub>H<sub>29</sub>NO<sub>3</sub>  
**Molecular Weight:** 319.443  
**Accurate Mass:** 319.214744  
**Percentage Composition:** C 71.44%; H 9.15%; N 4.38%; O 15.03%  
**Biological Source:** Constit. of *Capsicum annuum*

>>Derivative: Di-Me ether

**Synonym(s):** 3,4-Dimethoxybenzylamine. 3,4-Dimethoxybenzenemethanamine, 9Cl. Veratrylamine

**CAS Registry Number:** 5763-61-1  
**Molecular Formula:** C<sub>9</sub>H<sub>13</sub>NO<sub>2</sub>  
**Molecular Weight:** 167.207  
**Accurate Mass:** 167.094629  
**Percentage Composition:** C 64.65%; H 7.84%; N 8.38%; O 19.14%  
**Physical Description:** Liq.  
**Boiling Point:** Bp<sub>16</sub> 155-156°. Bp<sub>3</sub> 120°  
**Hazard & Toxicity:** LD<sub>50</sub> (mus,ivn) 178 mg/kg. Exp. teratogenic effects

**Aldrich:** V130-9  
**Fluka:** 94880

>>Derivative: Di-Me ether; hydrochloride

**CAS Registry Number:** 6967-51-7  
**Physical Description:** Cryst. (EtOH)  
**Melting Point:** Mp 254-256°