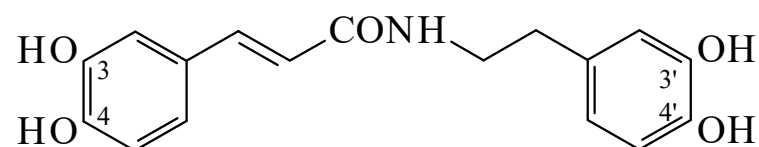




>>Entry Name: *N*-(3,4-Dihydroxycinnamoyl)dopamine



**Molecular Formula:** C<sub>17</sub>H<sub>17</sub>NO<sub>5</sub>

**Molecular Weight:** 315.325

**Accurate Mass:** 315.110674

**Percentage Composition:** C 64.75%; H 5.43%; N 4.44%; O 25.37%

>>Variant: (*E*)-form

**Molecular Formula:** C<sub>17</sub>H<sub>17</sub>NO<sub>5</sub>

**Molecular Weight:** 315.325

**Accurate Mass:** 315.110674

**Percentage Composition:** C 64.75%; H 5.43%; N 4.44%; O 25.37%

>>Derivative: 3,3'-Di-Me ether

Synonym(s): *N-trans-Feruloyl-3-O-methyldopamine*

**CAS Registry Number:** 78510-19-7

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**Molecular Weight:** 343.379

**Accurate Mass:** 343.141974

**Percentage Composition:** C 66.46%; H 6.16%; N 4.08%; O 23.30%

**Biological Source:** Alkaloid from wood of *Actinodaphne longifolia* (Lauraceae)

**Physical Description:** Oil

>>Derivative: 3,3'-Di-Me ether, 4-*O*-β-D-galactopyranoside

Synonym(s): *Cimicifugamide*

**CAS Registry Number:** 155159-01-6

**Molecular Formula:** C<sub>25</sub>H<sub>31</sub>NO<sub>10</sub>

**Molecular Weight:** 505.521

**Accurate Mass:** 505.194799

**Percentage Composition:** C 59.40%; H 6.18%; N 2.77%; O 31.65%

**Biological Source:** Alkaloid from the rhizomes of *Cimicifuga dahurica*

>>Derivative: 3,4'-Di-Me ether

Synonym(s): *N-trans-Feruloyl-4-O-methyldopamine*

**CAS Registry Number:** 78510-20-0

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>NO<sub>5</sub>

**Molecular Weight:** 343.379

**Accurate Mass:** 343.141974

**Percentage Composition:** C 66.46%; H 6.16%; N 4.08%; O 23.30%

**Biological Source:** Alkaloid from roots of *Chenopodium album* (Chenopodiaceae)

**Physical Description:** Oil

>>Derivative: Tetra-Me ether

Synonym(s): *Rubemamine*

**CAS Registry Number:** 121817-65-0

**Molecular Formula:** C<sub>21</sub>H<sub>25</sub>NO<sub>5</sub>

**Molecular Weight:** 371.432

**Accurate Mass:** 371.173274

**Percentage Composition:** C 67.91%; H 6.78%; N 3.77%; O 21.54%

**Biological Source:** Alkaloid from the stem bark of *Zanthoxylum rubescens* (Rutaceae)

**Melting Point:** Mp 121-122°