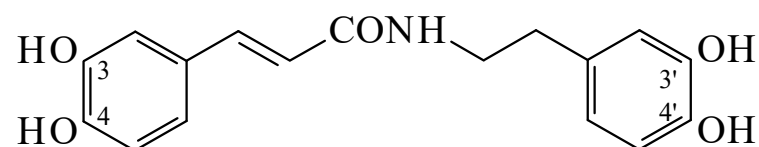




>>Entry Name: *N*-(3,4-Dihydroxycinnamoyl)dopamine



Molecular Formula: C₁₇H₁₇NO₅

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: C₁₇H₁₇NO₅

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: C₁₉H₂₁NO₅

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: C₂₅H₃₁NO₁₀

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: C₁₉H₂₁NO₅

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: C₂₁H₂₅NO₅

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°