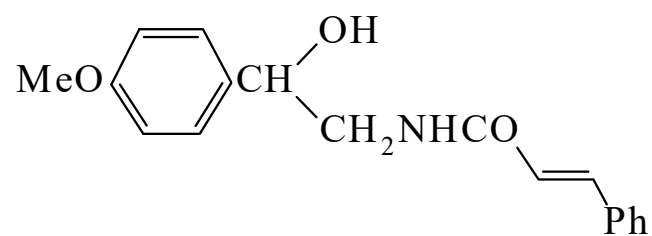




>>Entry Name: Aegeline

Synonym(s): *N*-[2-Hydroxy-2-(4-methoxyphenyl)ethyl]-3-phenyl-2-propenamide, 9Cl. Egeline, 8Cl. *N*-β-Hydroxy-β-*p*-methoxyphenethylcinnamamide. *N*-Cinnamoyl-2-hydroxy-2-(4-methoxyphenyl)ethylamine. Cinnamic acid 2-hydroxy-2-(*p*-methoxyphenyl)ethylamide



CAS Registry Number: 456-12-2

Molecular Formula: C₁₈H₁₉NO₃

Molecular Weight: 297.353

Accurate Mass: 297.136494

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

General Statement: Originally assigned the formula C₁₈H₁₈O₄

>>Variant: (+)-form

CAS Registry Number: 15298-36-9

Molecular Formula: C₁₈H₁₉NO₃

Molecular Weight: 297.353

Accurate Mass: 297.136494

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Source/Synthesis: Synthetic

Physical Description: Cryst. (EtOH)

Melting Point: Mp 196-197°

Optical Rotation: [α]_D²²+36 (c, 0.4 in CHCl₃). [α]_D²¹−48.1 (c, 0.5 in EtOH)

>>Variant: (−)-form

CAS Registry Number: 15298-37-0

Molecular Formula: C₁₈H₁₉NO₃

Molecular Weight: 297.353

Accurate Mass: 297.136494

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Source/Synthesis: Synthetic

Physical Description: Cryst. (EtOH)

Melting Point: Mp 196-197°

Optical Rotation: [α]_D−35.1 (CHCl₃). [α]_D+47.5 (c, 0.5 in EtOH)

>>Variant: (±)-form

CAS Registry Number: 37791-13-2

Molecular Formula: C₁₈H₁₉NO₃

Molecular Weight: 297.353

Accurate Mass: 297.136494

Percentage Composition: C 72.71%; H 6.44%; N 4.71%; O 16.14%

Biological Source: Alkaloid from the leaves of *Aegle marmelos*, *Zanthoxylum coriaceum* and *Zanthoxylum ocumarensense* (Rutaceae)

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 176° (173-175°)

>>Derivative: Ac

Physical Description: Plates (EtOAc)

Melting Point: Mp 124°

>>Derivative: Dihydro

Physical Description: Plates (EtOH/EtOAc)

Melting Point: Mp 140°