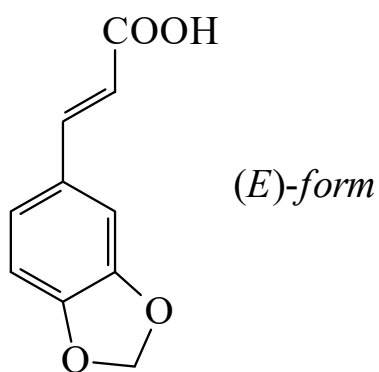




>>Entry Name: **3-(3,4-Methylenedioxyphenyl)propenoic acid**

Synonym(s): 3-(1,3-Benzodioxol-5-yl)-2-propenoic acid, 9Cl. 3,4-Methylenedioxcinnamic acid, 8Cl. 3-(3,4-Methylenedioxyphenyl)acrylic acid. Piperonylideneacetic acid



CAS Registry Number: 2373-80-0

Related CAS Registry Numbers(s): 16386-34-8

Molecular Formula: C₁₀H₈O₄

Molecular Weight: 192.171

Accurate Mass: 192.04226

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Aldrich: 14624-2

Rare Chemicals Library: S11842-7

>>Variant: (E)-form

CAS Registry Number: 38489-76-8

Molecular Formula: C₁₀H₈O₄

Molecular Weight: 192.171

Accurate Mass: 192.04226

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Isol. from leaves of *Piper tuberculatum*. Also isol. from *Brombya platynema*

Physical Description: Needles (EtOH)

Melting Point: Mp 247° (242°)

pKa Value: pK_a 4.6 (25°)

>>Derivative: Me ester

CAS Registry Number: 40918-96-5

Molecular Formula: C₁₁H₁₀O₄

Molecular Weight: 206.198

Accurate Mass: 206.05791

Percentage Composition: C 64.07%; H 4.89%; O 31.04%

Physical Description: Plates (MeOH)

Melting Point: Mp 133-134°

>>Derivative: Amide

Molecular Formula: C₁₀H₉NO₃

Molecular Weight: 191.186

Accurate Mass: 191.058244

Percentage Composition: C 62.82%; H 4.74%; N 7.33%; O 25.11%

Physical Description: Needles (EtOH)

Melting Point: Mp 184-185°

>>Derivative: Pentylamide

Synonym(s): *N*-(3,4-Methylenedioxcinnamoyl)pentylamine. 3,4-Methylenedioxy-*N*-pentylcinnamide

CAS Registry Number: 73073-94-6

Molecular Formula: C₁₅H₁₉NO₃

Molecular Weight: 261.32

Accurate Mass: 261.136494

Percentage Composition: C 68.94%; H 7.33%; N 5.36%; O 18.37%

Biological Source: Alkaloid from *Piper amalago*

Other Data: Config. not determined but most probably *E*-