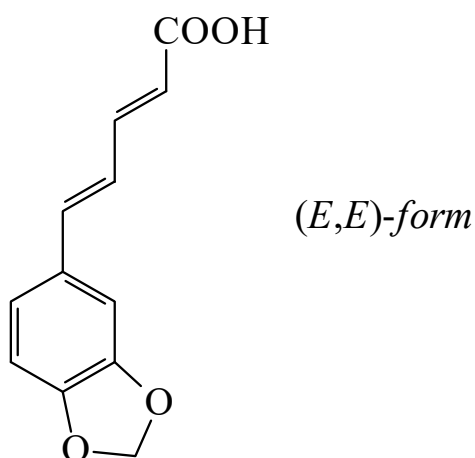




>>Entry Name: 5-(3,4-Methylenedioxyphenyl)-2,4-pentadienoic acid

Synonym(s): 5-(1,3-Benzenedioxol-5-yl)-2,4-pentadienoic acid, 9Cl. **Piperic acid**, 8Cl. Piperinic acid. Piperonic acid



CAS Registry Number: 5285-18-7

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Biological Source: Obt. from black pepper (*Piper nigrum*), from *Minthostachys verticillata*, *Mentha piperita* and others

Rare Chemicals Library: S88048-5

>>Variant: (*E,E*)-form

CAS Registry Number: 136-72-1

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Physical Description: Needles (EtOH)

Melting Point: Mp 216°

pKa Value: pK_a 5.7 (50% MeOH aq.)

>>Derivative: Me ester

CAS Registry Number: 6190-46-1

Molecular Formula: C₁₃H₁₂O₄

Molecular Weight: 232.235

Accurate Mass: 232.07356

Percentage Composition: C 67.23%; H 5.21%; O 27.56%

Biological Source: Constit. of *Piper* spp.

Physical Description: Yellow plates (MeOH)

Melting Point: Mp 146°

>>Variant: (*2E,4Z*)-form

Synonym(s): Isochavicinic acid. Isochavicic acid

CAS Registry Number: 495-87-4

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 143°

pKa Value: pK_a 5.5 (50% MeOH aq.)

>>Variant: (*2Z,4E*)-form

Synonym(s): Isopiperinic acid