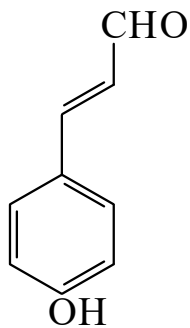




>>Entry Name: 3-(4-Hydroxyphenyl)-2-propenal, 9CI

ENTRY UNDER REVIEW

Synonym(s): *p*-Hydroxycinnamaldehyde, 8CI. *p*-Coumaraldehyde



CAS Registry Number: 2538-87-6

Molecular Formula: C₉H₈O₂

Molecular Weight: 148.161

Accurate Mass: 148.05243

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

>>Variant: (*E*)-form

CAS Registry Number: 20711-53-9

Molecular Formula: C₉H₈O₂

Molecular Weight: 148.161

Accurate Mass: 148.05243

Percentage Composition: C 72.96%; H 5.44%; O 21.60%

Biological Source: Constit. of *Alpinia galanga* rhizomes *Cucurbita maxima* and *Sarcophyte sanguinea*

Use/Importance: Antifungal agent

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 140° (136-138°)

>>Derivative: Semicarbazone

Melting Point: Mp 224°

>>Derivative: Ac

CAS Registry Number: 157096-53-2

Extra CAS Registry Numbers(s): 58505-83-2

Molecular Formula: C₁₁H₁₀O₃

Molecular Weight: 190.198

Accurate Mass: 190.062995

Percentage Composition: C 69.46%; H 5.30%; O 25.24%

Physical Description: Yellowish cryst.

Melting Point: Mp 77-78°

>>Derivative: Me ether

Synonym(s): 3-(4-Methoxyphenyl)-2-propenal. *p*-Methoxycinnamaldehyde. FEMA 3567

CAS Registry Number: 24680-50-0

Extra CAS Registry Numbers(s): 1963-36-6

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Biological Source: Isol. from oils of tarragon (*Artemisia dracunculus*); *Orthodon methylchavicoliferum*, *Agastache rugosa* and *Sphaeranthus indicus*

Physical Description: Yellow needles (EtOH aq.)

Melting Point: Mp 58-59°

Boiling Point: Bp 277°. Bp₁₅ 171°