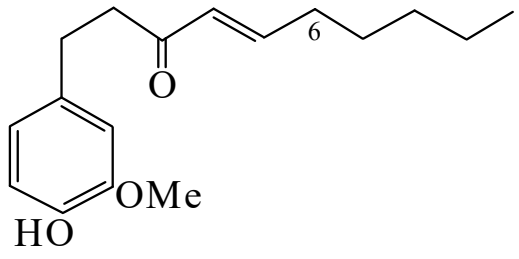
>>**Entry Name: Shogaol**
ENTRY UNDER REVIEW
Synonym(s): 1-(4-Hydroxy-3-methoxyphenyl)-4-decen-3-one, 9Cl. [6]Shogaol



CAS Registry Number: 555-66-8
Related CAS Registry Numbers(s): 99742-07-1 99742-10-6 104264-52-0 104264-53-1 162794-32-3

Molecular Formula: $C_{17}H_{24}O_3$
Molecular Weight: 276.375
Accurate Mass: 276.172545
Percentage Composition: C 73.88%; H 8.75%; O 17.37%

Use/Importance: [7]Shogaol shows antihepatotoxic activity
Physical Description: Pale yellow oil
Boiling Point: $Bp_{2.25}$ 201.3° (Lit. gives a pressure range)

>>**Derivative:** 1,2-Didehydro
Synonym(s): 1-(4-Hydroxy-3-methoxyphenyl)-1,4-decadien-3-one. **[6]Dehydroshogaol**

CAS Registry Number: 212137-55-8

Molecular Formula: $C_{17}H_{22}O_3$
Molecular Weight: 274.359
Accurate Mass: 274.156895
Percentage Composition: C 74.42%; H 8.08%; O 17.49%
Biological Source: Constit. of ginger (*Zingiber officinale*) rhizomes
Physical Description: Yellow syrup
UV: [neutral] λ_{max} 258 (log ε 3.93); 355 (log ε 4.02) (MeOH)
Other Data: Possesses (*E*,*E*)-config.

>>**Derivative:** Demethoxy
Synonym(s): 1-(4-Hydroxyphenyl)-4-decen-3-one. **Demethoxyshogaol**

CAS Registry Number: 153311-54-7

Molecular Formula: $C_{16}H_{22}O_2$
Molecular Weight: 246.349
Accurate Mass: 246.16198
Percentage Composition: C 78.01%; H 9.00%; O 12.99%
Biological Source: Constit. of ginger (*Zingiber officinale*)

>>**Derivative:** Me ether

CAS Registry Number: 79067-86-0
Molecular Formula: $C_{18}H_{26}O_3$
Molecular Weight: 290.402
Accurate Mass: 290.188195
Percentage Composition: C 74.45%; H 9.02%; O 16.53%
Physical Description: Yellow oil
Boiling Point: $Bp_{0.06}$ 160-165°