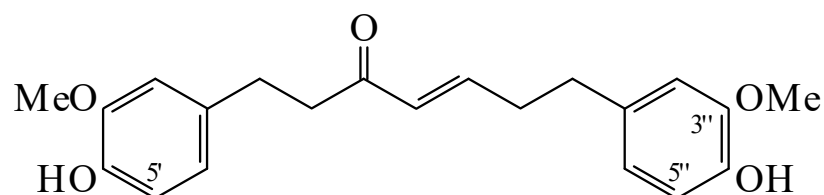




>>Entry Name: Gingerenone A

Synonym(s): 1,7-Bis(4-hydroxy-3-methoxyphenyl)-4-hepten-3-one, 9Cl



CAS Registry Number: 128700-97-0

Molecular Formula: C₂₁H₂₄O₅

Molecular Weight: 356.418

Accurate Mass: 356.162375

Percentage Composition: C 70.77%; H 6.79%; O 22.44%

Biological Source: Constit. of *Zingiber officinale*

Physical Description: Oil

>>Derivative: Di-O-de-Me

Synonym(s): 1,7-Bis(3,4-dihydroxyphenyl)-4-hepten-3-one, 9Cl. **Hirsutenone**. Hirsutanone (incorr.)

CAS Registry Number: 41137-87-5

Molecular Formula: C₁₉H₂₀O₅

Molecular Weight: 328.364

Accurate Mass: 328.131075

Percentage Composition: C 69.50%; H 6.14%; O 24.36%

Biological Source: Constit. of *Alnus hirsuta*, *Pinus flexilis* and *Viscum cruciatum*

Biological Use/Importance: Cytotoxic

Other Data: The name Hirsutanone, used in CA, is apparently incorrect

>>Derivative: 5'-Methoxy

Synonym(s): Isogingerenone B

CAS Registry Number: 128700-99-2

Molecular Formula: C₂₂H₂₆O₆

Molecular Weight: 386.444

Accurate Mass: 386.17294

Percentage Composition: C 68.38%; H 6.78%; O 24.84%

Biological Source: Constit. of *Zingiber officinale*

>>Derivative: 5''-Methoxy

Synonym(s): Gingerenone B

CAS Registry Number: 128700-98-1

Molecular Formula: C₂₂H₂₆O₆

Molecular Weight: 386.444

Accurate Mass: 386.17294

Percentage Composition: C 68.38%; H 6.78%; O 24.84%

Biological Source: Constit. of *Zingiber officinale*

>>Derivative: 3''-Demethoxy

Synonym(s): Gingerenone C

CAS Registry Number: 128701-01-9

Molecular Formula: C₂₀H₂₂O₄

Molecular Weight: 326.391

Accurate Mass: 326.15181

Percentage Composition: C 73.60%; H 6.79%; O 19.61%

Biological Source: Constit. of *Zingiber officinale*

Physical Description: Oil

References:

Endo, K. *et al.*, *Phytochemistry*, 1990, **29**, 797-799, (*isol*, *pmr*, *cmr*)

Martin-Cordero, C. *et al.*, *Phytochemistry*, 2001, **58**, 567-569; *CA*, **78**, 84730j, (*Hirsutenone*)