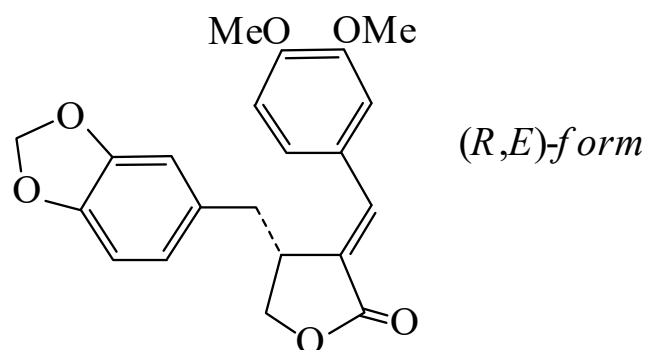




>>Entry Name: 3-(3,4-Dimethoxybenzylidene)-4,5-dihydro-4-(3,4-methylenedioxybenzyl)-2(3*H*)furanone

Synonym(s): 3,4-Dimethoxy-3',4'-methylenedioxybenzyl-7-en-9,9'-olide



Related CAS Registry Numbers(s): 75590-33-9

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

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

Synonym(s): **Kaerophyllin**. Chaerophyllin

CAS Registry Number: 75590-33-9

Type of Compound Code(s): VO0200

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: Isol. from *Chaerophyllum maculatum*. Also from *Bupleurum lanceolatum*

Physical Description: Needles (hexane)

Melting Point: Mp 150°

Optical Rotation: [α]_D -91.8 (c, 0.39 in CHCl₃)

>>Variant: (*R,Z*)-form

Synonym(s): **Isokaerophyllin**. Isochaerophyllin

CAS Registry Number: 126574-52-5

Type of Compound Code(s): VO0200

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: Isol. from *Bupleurum salicifolium*

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 130-131°

Optical Rotation: [α]_D²⁵ -76.4 (CHCl₃)

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

Synonym(s): **Gossypifan**

CAS Registry Number: 169873-74-9

Type of Compound Code(s): VO0200

Molecular Formula: C₂₁H₂₀O₆

Molecular Weight: 368.385

Accurate Mass: 368.12599

Percentage Composition: C 68.47%; H 5.47%; O 26.06%

Biological Source: Constit. of *Jatropha gossypifolia*

Physical Description: Needles (C₆H₆)

Melting Point: Mp 145-146°

Optical Rotation: [α]_D²⁵ +82.4 (c, 0.9 in CHCl₃)