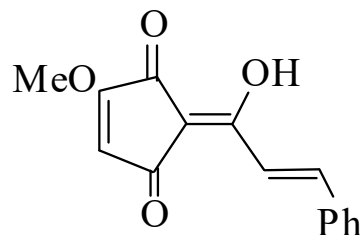




>>Entry Name: Lucidone

Synonym(s): 2-(1-Hydroxy-3-phenyl-2-propenylidene)-4-methoxy-4-cyclopentene-1,3-dione, 9CI



CAS Registry Number: 19956-53-7

Molecular Formula: C₁₅H₁₂O₄

Molecular Weight: 256.257

Accurate Mass: 256.07356

Percentage Composition: C 70.31%; H 4.72%; O 24.97%

Biological Source: Pigment isol. from the root of *Lindera pipericarpa* and *Lindera erythrocarpa*

Physical Description: Yellow cryst.

Melting Point: Mp 164-165°

Other Data: λ_{max} 244 (log ε 4.4) and 355(4.51) nm.

>>Derivative: Na salt

CAS Registry Number: 64023-36-5

Physical Description: Yellow prisms +2H₂O (MeOH)

Melting Point: Mp 230-240°

>>Derivative: Cu chelate

Physical Description: Brown-green cryst.

Melting Point: Mp 305-309 dec.°

>>Derivative: Benzoyl

Melting Point: Mp 245-247°

>>Derivative: Me ether

Synonym(s): Methyllucidone

CAS Registry Number: 19956-54-8

Molecular Formula: C₁₆H₁₄O₄

Molecular Weight: 270.284

Accurate Mass: 270.08921

Percentage Composition: C 71.10%; H 5.22%; O 23.68%

Biological Source: Isol. from *Lindera* spp.

Physical Description: Yellow cryst.

Melting Point: Mp 126-127° (115-116°)

References:

Lee, H.H., *Tet. Lett.*, 1968, 4243, (*isol, struct*)

Liu, S.-Y. *et al.*, *Yakugaku Zasshi*, 1975, **95**, 1114; 1976, **96**, 511, (*isol, ms*)

Takai, M. *et al.*, *Chem. Pharm. Bull.*, 1977, **25**, 1404, (*cryst struct*)

Lee, H.-H. *et al.*, *J.C.S. Perkin 1*, 1985, 453, (*synth*)