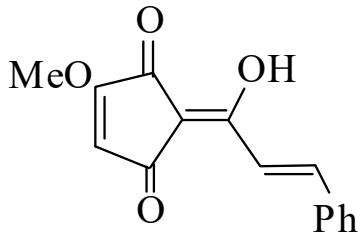
>>**Entry Name: Lucidone**
**Synonym(s):** 2-(1-Hydroxy-3-phenyl-2-propenylidene)-4-methoxy-4-cyclopentene-1,3-dione, 9CI




**CAS Registry Number:** 19956-53-7

**Molecular Formula:** $C_{15}H_{12}O_4$
**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:** $\lambda_{max}$ 244 (log ε 4.4) and 355(4.51) nm.

>>**Derivative:** Na salt

**CAS Registry Number:** 64023-36-5
**Physical Description:** Yellow prisms +$2H_2O$ (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:** $C_{16}H_{14}O_4$
**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)*