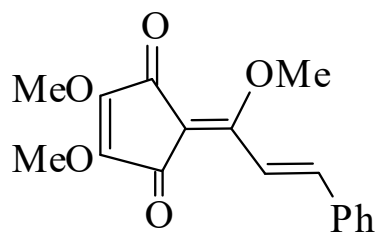




>>Entry Name: Methyllinderone

Synonym(s): 4,5-Dimethoxy-2-(α -methoxycinnamylidene)-4-cyclopentene-1,3-dione, 8Cl



CAS Registry Number: 3984-73-4

Molecular Formula: C₁₇H₁₆O₅

Molecular Weight: 300.31

Accurate Mass: 300.099775

Percentage Composition: C 67.99%; H 5.37%; O 26.64%

Biological Source: Constit. of *Lindera lucida* and *Lindera pipericarpa*

Biological Use/Importance: Human chymase inhibitor

Physical Description: Yellow needles (petrol)

Melting Point: Mp 83-85° (75°)

UV: [neutral] $\lambda_{\max}$ 244 (log ϵ 4.35); 268 (log ϵ 4.5) (EtOH)

References:

Lee, H.H. *et al.*, *J.C.S.*, 1962, 4338-4345, (*struct, uv*)

Lee, H.H. *et al.*, *J.C.S.(C)*, 1967, 1583-1585, (*synth*)

Leong, Y.-W. *et al.*, *Phytochemistry*, 1998, **47**, 891-894, (*isol, pmr, cmr*)

Aoyama, Y. *et al.*, *Bioorg. Med. Chem. Lett.*, 2001, **11**, 1695-1697, (*synth*)