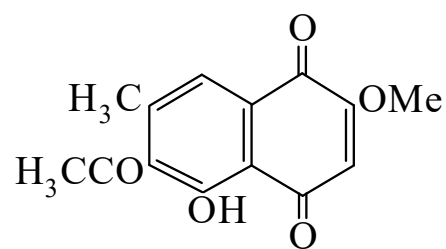




>>Entry Name: 2-Methoxystypandrone

Synonym(s): 6-Acetyl-5-hydroxy-2-methoxy-7-methyl-1,4-naphthoquinone



CAS Registry Number: 85122-21-0

Molecular Formula: C₁₄H₁₂O₅

Molecular Weight: 260.246

Accurate Mass: 260.068475

Percentage Composition: C 64.61%; H 4.65%; O 30.74%

Biological Source: Isol. from roots of *Polygonum cuspidatum*, root bark of *Ventilago calyculata* and stembark of *Rhamnus fallax*. Also isol. from *Cassia didymobotrya*

Physical Description: Brownish-red needles (C₆H₆/petrol)

Melting Point: Mp 187°

UV: [neutral] λ_{max} 222 (ε 19500); 288 (ε 11200); 412 (ε 4300) (MeOH) (Berdy) [neutral] λ_{max} 204 (); 288 (); 407 () (EtOH) (Berdy)

Other Data: May be identical with Orientalone from roots of *Rumex orientalis*. Orientalone was assigned the isomeric 3-methoxy struct. but the evidence is unconvincing

References:

Kimura, Y. *et al.*, *Planta Med.*, 1983, **48**, 164, (*isol*)

Rauwald, H.W. *et al.*, *Z. Naturforsch., C*, 1983, **38**, 17, (*isol*)

Hanumaiah, T. *et al.*, *Phytochemistry*, 1985, **24**, 1811, (*isol*)

Hughes, A.B. *et al.*, *J.C.S. Perkin I*, 1989, 449, (*synth*)