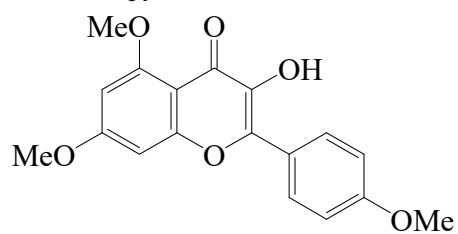




>>Entry Name: 3-Hydroxy-4',5,7-trimethoxyflavone

Synonym(s): 3-Hydroxy-5,7-dimethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one, 9CI. 4',5,7-Trimethoxyflavonol. Kaempferol 4',5,7-trimethyl ether



CAS Registry Number: 1098-92-6

Molecular Formula: C₁₈H₁₆O₆

Molecular Weight: 328.321

Accurate Mass: 328.09469

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Constit. of *Aglaia gracilis*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 151°

UV: [neutral] $\lambda_{\max}$ 257 (log ϵ 4); 308 (log ϵ 3.72); 352 (log ϵ 4.04) (EtOH)

References:

King, F.E. *et al.*, *J.C.S.*, 1950, 168-170, (*synth*)

Guider, J.M. *et al.*, *J.C.S.*, 1955, 170-173, (*synth*)

Hedin, P.A. *et al.*, *J. Agric. Food Chem.*, 1992, **40**, 607-611, (*ms*)

Greger, H. *et al.*, *Phytochemistry*, 2001, **57**, 57-64, (*isol*)