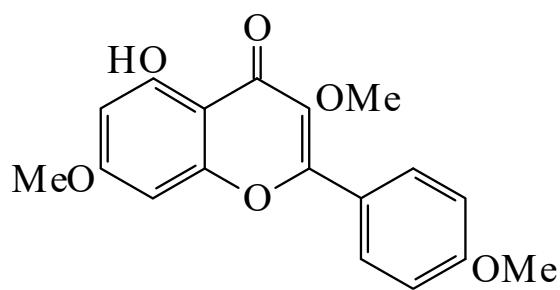




>>Entry Name: 5-Hydroxy-3,4',7-trimethoxyflavone

Synonym(s): 5-Hydroxy-3,7-dimethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one, 9CI



CAS Registry Number: 15486-34-7

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 the ferns *Cheilanthes* spp., *Betula nigra*, *Cistus* spp. and others

Physical Description: Cryst. (MeOH)

Melting Point: Mp 145-147°

References:

- Guider, M. *et al.*, *J.C.S.*, 1955, 170, (*synth*)
Erdtman, H. *et al.*, *Tetrahedron, Suppl.*, No. 8, 1966, 71, (*isol*)
Wollenweber, E., *Phytochemistry*, 1976, **15**, 438; 2013; 1977, **16**, 295, (*isol*)
Voirin, B., *Phytochemistry*, 1983, **22**, 2107, (*uv*)
Wollenweber, E. *et al.*, *Z. Naturforsch., C*, 1984, **39**, 303; 1184, (*isol*)
Horie, T. *et al.*, *J.O.C.*, 1987, **52**, 4702, (*synth*)
Gajhede, M. *et al.*, *Acta Cryst. C*, 1989, **45**, 2012, (*cryst struct*)
Rossi, M.H. *et al.*, *Phytochemistry*, 1997, **45**, 1263-1269, (*isol, pmr, cmr*)