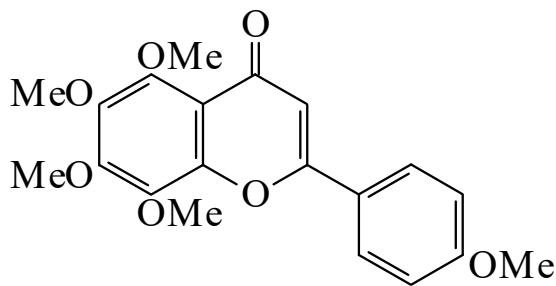




>>Entry Name: 4',5,6,7,8-Pentamethoxyflavone

Synonym(s): 5,6,7,8-Tetramethoxy-2-(4-methoxyphenyl)-4*H*-1-benzopyran-4-one, 9CI. **Tangeritin.** Ponkanetin. Tangeretin



CAS Registry Number: 481-53-8

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

Percentage Composition: C 64.51%; H 5.41%; O 30.08%

Biological Source: Constit. of the peel of tangerines and of *Deuterophoma traceiphila* and *Fortunella japonica*

Physical Description: Rods or needles (EtOAc)

Melting Point: Mp 154°

Other Data: Formerly assigned the 3,4',5,6,7-pentamethoxy struct.

References:

Sehgal, J.M. *et al.*, *Proc. - Indian Acad. Sci., Sect. A*, 1955, **42**, 252, (*synth*)

Goldsworthy, L.J. *et al.*, *Chem. Ind. (London)*, 1957, 47, (*struct*)

Okigawa, M. *et al.*, *J.C.S. Perkin 1*, 1975, 1563, (*pmr*)

Talapatra, S.K. *et al.*, *Phytochemistry*, 1975, **14**, 309, (*isol*)

Matsuura, S. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 305, (*synth*)

Tatum, J.H. *et al.*, *Phytochemistry*, 1978, **17**, 447, (*isol*)

Inuma, M. *et al.*, *Chem. Pharm. Bull.*, 1980, **28**, 708, (*cmr*)

Rizzi, G.P. *et al.*, *J. Agric. Food Chem.*, 1984, **32**, 551, (*ms*)

Elgamal, M.H.A. *et al.*, *J. Prakt. Chem.*, 1986, **328**, 893, (*ms*)