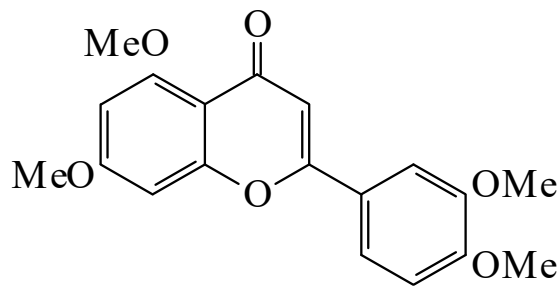




>>Entry Name: 3',4',5,7-Tetramethoxyflavone

Synonym(s): 2-(3,4-Dimethoxyphenyl)-5,7-dimethoxy-4*H*-1-benzopyran-4-one, 9Cl. 3',5-Dimethylpilloin



CAS Registry Number: 855-97-0

Molecular Formula: C₁₉H₁₈O₆

Molecular Weight: 342.348

Accurate Mass: 342.11034

Percentage Composition: C 66.66%; H 5.30%; O 28.04%

Biological Source: Constit. of the fruit of *Merrillia caloxylon*. Also from *Bauhinia championii* and *Boesenbergia pandurata*

Physical Description: Prisms (CHCl₃)

Melting Point: Mp 190-192°

References:

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Devi, G. *et al.*, *Indian J. Chem., Sect. B*, 1979, **17**, 75, (*synth*)

Banerji, A. *et al.*, *Synthesis*, 1980, 874, (*synth*)

Jain, P.K. *et al.*, *Synthesis*, 1982, 221, (*synth*)

Osterdahl, B.-G., *Acta Chem. Scand., Ser. B*, 1983, **37**, 69, (*cmr*)

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Chen, C.-C. *et al.*, *Chem. Pharm. Bull.*, 1984, **32**, 166, (*isol*)