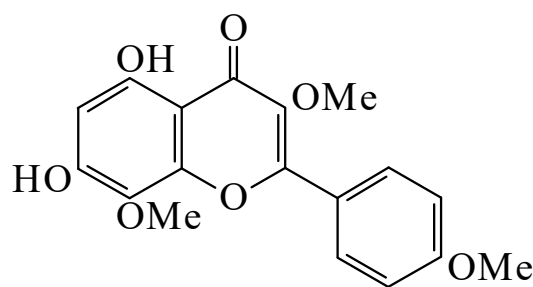




>>Entry Name: 5,7-Dihydroxy-3,4',8-trimethoxyflavone

Synonym(s): 5,7-Dihydroxy-3,8-dimethoxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one. Herbacetin 3,4',8-trimethyl ether



CAS Registry Number: 1570-09-8

Type of Compound Code(s): VK5250

Molecular Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

Accurate Mass: 344.089605

Percentage Composition: C 62.79%; H 4.68%; O 32.53%

General Statement: Formerly incorrectly considered to be 5,6-Dihydroxy-3,4',8-trimethoxyflavone

Biological Source: Isol. from *Beyeria* sp., *Conyza stricta*, *Cistus parviflorus* and *Pityrogramma triangularis*

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 178-179°

References:

- Dawson, R.M. *et al.*, *Aust. J. Chem.*, 1965, **18**, 1871, (*isol*)
Sen, A.K. *et al.*, *Indian J. Chem., Sect. B*, 1976, **14**, 849, (*isol*)
Tandon, S. *et al.*, *Phytochemistry*, 1977, **16**, 1455, (*isol*)
Horie, T. *et al.*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 2933, (*struct*)
Voirin, B., *Phytochemistry*, 1983, **22**, 2107, (*uv*)
Wollenweber, E. *et al.*, *Phytochemistry*, 1985, **24**, 965, (*isol*)
Vogt, T. *et al.*, *Phytochemistry*, 1987, **26**, 1027, (*isol*)