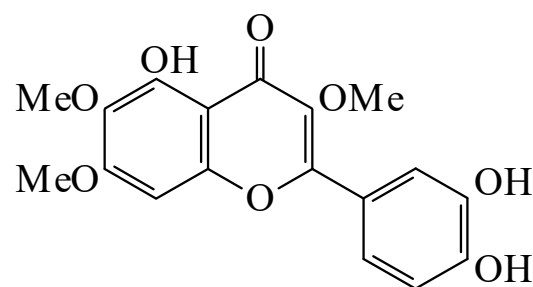




>>Entry Name: 3',4',5-Trihydroxy-3,6,7-trimethoxyflavone, 8Cl

Synonym(s): 2-(3,4-Dihydroxyphenyl)-5-hydroxy-3,6,7-trimethoxy-4*H*-1-benzopyran-4-one, 9Cl. **Chrysosplenol D**. Quercetagetin 3,6,7-trimethyl ether



CAS Registry Number: 14965-20-9

Molecular Formula: C₁₈H₁₆O₈

Molecular Weight: 360.32

Accurate Mass: 360.08452

Percentage Composition: C 60.00%; H 4.48%; O 35.52%

Biological Source: Pigment isol. from *Cyanostegia microphylla*, *Chrysosplenium alternifolium*, *Chrysosplenium tetrandrum*, *Artemisia rothrockii* and *Parthenium rollinsianum*, also isol. from many other Asteraceae

Physical Description: Yellow needles (MeOH aq.)

Melting Point: Mp 236-238°

>>Derivative: 4'-*O*-β-D-Glucopyranoside

Synonym(s): **Chrysosplenoside D**

CAS Registry Number: 25321-00-0

Molecular Formula: C₂₄H₂₆O₁₃

Molecular Weight: 522.462

Accurate Mass: 522.137345

Percentage Composition: C 55.17%; H 5.02%; O 39.81%

Biological Source: Isol. from *Chrysosplenium* spp.

Melting Point: Mp 163-165°

References:

- Ghisalberti, E.L. *et al.*, *Aust. J. Chem.*, 1967, **20**, 1049, (*isol, uv*)
Shimizu, M. *et al.*, *Chem. Pharm. Bull.*, 1968, **16**, 2310, (*Chrysosplenoside D*)
Fukui, K. *et al.*, *Experientia*, 1968, **24**, 769, (*synth, ir, uv*)
Rodriguez, E. *et al.*, *Phytochemistry*, 1972, **11**, 3509, (*isol, uv, pmr, ms*)
Jay, M. *et al.*, *Phytochemistry*, 1976, **15**, 517, (*isol, uv, pmr*)
Bohm, B.A. *et al.*, *Biochem. Syst. Ecol.*, 1979, **7**, 195, (*Chrysosplenoside D*)
Voirin, B. *et al.*, *Phytochemistry*, 1983, **22**, 2107, (*uv*)