



Molecular Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

Accurate Mass: 344.089605

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

Biological Source: Constit. of *Lychnophora affinis*

Biological Use/Importance: Cytotoxic agent

Other Data: The struct. assigned is possibly incorrect

>>Derivative: 3',4',7,8-Tetra-Me ether

Synonym(s): 5-Hydroxy-3',4',7,8-tetramethoxyflavone

CAS Registry Number: 13003-74-2

Molecular Formula: C₁₉H₁₈O₇

Molecular Weight: 358.347

Accurate Mass: 358.105255

Percentage Composition: C 63.68%; H 5.06%; O 31.25%

Biological Source: Isol. from *Lychnophora affinis*. Constit. of bergamot oil

Melting Point: Mp 210-212°

>>Derivative: Penta-Me ether

Synonym(s): 3',4',5,7,8-Pentamethoxyflavone. **Isosinensetin**

CAS Registry Number: 17290-70-9

Molecular Formula: C₂₀H₂₀O₇

Molecular Weight: 372.374

Accurate Mass: 372.120905

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

Biological Source: Isol. from *Citrus* spp. and *Fortunella japonica*

Physical Description: Cryst. (EtOH)

Melting Point: Mp 206-207°

>>Derivative: 3',4'-Methylene, 5,7,8-tri-Me ether

Synonym(s): 5,7,8-Trimethoxy-3',4'-methylenedioxyflavone

CAS Registry Number: 158581-11-4

Molecular Formula: C₁₉H₁₆O₇

Molecular Weight: 356.331

Accurate Mass: 356.089605

Percentage Composition: C 64.04%; H 4.53%; O 31.43%

Biological Source: Constit. of *Neoraputia alba*

References: