Accurate Mass: 576.184295
Percentage Composition: C 58.33%; H 5.59%; O 36.08%
Biological Source: Constit. of oregano (*Origanum vulgare*)
Physical Description: Yellow cryst.
Melting Point: Mp 238-239.3°
UV: [neutral] λ_{max} 250 (); 279 (); 318 () (MeOH)

>>**Derivative:** 5,6-Di-Me ether
Synonym(s): 7-Hydroxy-5,6-dimethoxyflavone

CAS Registry Number: 2035-05-4

Molecular Formula: $C_{17}H_{14}O_5$
Molecular Weight: 298.295
Accurate Mass: 298.084125
Percentage Composition: C 68.45%; H 4.73%; O 26.82%
Biological Source: Isol. from *Gomphrena martiana*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 207-209°

>>**Derivative:** 5,6-Di-Me ether, 7-*O*-β-D-glucopyranoside
Synonym(s): **Ovatin**‡

CAS Registry Number: 79198-77-9

Molecular Formula: $C_{23}H_{24}O_{10}$
Molecular Weight: 460.437
Accurate Mass: 460.13695
Percentage Composition: C 60.00%; H 5.25%; O 34.75%
Biological Source: Isol. from roots of *Scutellaria ovata*

>>**Derivative:** 5,7-Di-Me ether
Synonym(s): 6-Hydroxy-5,7-dimethoxyflavone

CAS Registry Number: 119892-40-9
Molecular Formula: $C_{17}H_{14}O_5$
Molecular Weight: 298.295
Accurate Mass: 298.084125
Percentage Composition: C 68.45%; H 4.73%; O 26.82%
Melting Point: Mp 216°

>>**Derivative:** 6,7-Di-Me ether
Synonym(s): 5-Hydroxy-6,7-dimethoxyflavone. **Mosloflavone**

CAS Registry Number: 740-33-0

Molecular Formula: $C_{17}H_{14}O_5$
Molecular Weight: 298.295
Accurate Mass: 298.084125
Percentage Composition: C 68.45%; H 4.73%; O 26.82%
Biological Source: Isol. from stems of *Popowia cauliflora* and from *Mosla soochowensis*
Physical Description: Yellow plates ($CHCl_3$/petrol)
Melting Point: Mp 150°

>>**Derivative:** Tri-Me ether
Synonym(s): 5,6,7-Trimethoxyflavone

CAS Registry Number: 973-67-1

Molecular Formula: $C_{18}H_{16}O_5$
Molecular Weight: 312.321
Accurate Mass: 312.099775
Percentage Composition: C 69.22%; H 5.16%; O 25.61%
Biological Source: Isol. from *Colebrookea oppositifolia, Callicarpa japonica, Zeyhera tuberculosa, Kickxia lanigera* and *Popowia cauliflora*
Biological Use/Importance: Piscicide
Melting Point: Mp 165-167°
UV: [neutral] λ_{max} 264 (); 305 () (MeOH) (Berdy) [base] λ_{max} 264 (); 305 () (MeOH-NAOH) (Berdy)