Percentage Composition: C 73.74%; H 3.94%; O 22.32%
Biological Source: Isol. from leaf resin of *Baccharis bigelovii*
Physical Description: Pale yellow cryst.
Melting Point: Mp 191-192°

>>**Derivative:** 5-Me ether
Synonym(s): 7-Hydroxy-5-methoxyflavone

CAS Registry Number: 33554-47-1

Molecular Formula: $C_{16}H_{12}O_4$
Molecular Weight: 268.268
Accurate Mass: 268.07356
Percentage Composition: C 71.64%; H 4.51%; O 23.86%
Biological Source: Constit. of propolis
Physical Description: Cryst. (EtOH)
Melting Point: Mp 298-300°

>>**Derivative:** 7-Me ether
Synonym(s): 5-Hydroxy-7-methoxyflavone. **Tectochrysin**

CAS Registry Number: 520-28-5

Molecular Formula: $C_{16}H_{12}O_4$
Molecular Weight: 268.268
Accurate Mass: 268.07356
Percentage Composition: C 71.64%; H 4.51%; O 23.86%
Biological Source: Isol. from wood of *Pinus* spp. and *Alnus sieboldiana* and other plants
Use/Importance: Used as 1m*M* soln. in EtOH for photometric detn. of U(*VI*) (λ_{max} 405 nm, pH 5.5-9.5)
Physical Description: Yellow prisms (EtOH)
Melting Point: Mp 163°
Solubility: Sol. MeOH, EtOH; BERDY SOL: Sol. MeOH, $CHCl_3$, C_6H_6; poorly sol. H_2O
UV: [neutral] λ_{max} 248 (); 269 (); 308 () (MeOH) (Berdy) [base] λ_{max} 282 (); 328 (); 389 () (MeOH-NAOH) (Berdy)

>>**Derivative:** Di-Me ether
Synonym(s): 5,7-Dimethoxyflavone

CAS Registry Number: 21392-57-4

Molecular Formula: $C_{17}H_{14}O_4$
Molecular Weight: 282.295
Accurate Mass: 282.08921
Percentage Composition: C 72.33%; H 5.00%; O 22.67%
Biological Source: Constit. of *Boesenbergia pandurata* and *Leptospermum scoparium*
Physical Description: Cryst. ($CHCl_3$/hexane)
Melting Point: Mp 154° (149-150°)
UV: [neutral] λ_{max} 263 (); 305 () (MeOH) (Berdy) [base] λ_{max} 263 (); 305 () (MeOH-NAOH) (Berdy)

>>**Derivative:** Dibenzoyl
Synonym(s): 5,7-Dibenzoyloxyflavone

CAS Registry Number: 110865-06-0

Molecular Formula: $C_{29}H_{18}O_6$
Molecular Weight: 462.458
Accurate Mass: 462.11034
Percentage Composition: C 75.32%; H 3.92%; O 20.76%
Biological Source: Constit. of *Lemna paucicostata*
Melting Point: Mp 282-285° (275°)