Physical Description: Yellow needles (MeOH)
Melting Point: Mp 173-175°

>>**Derivative:** 3',5',6,7-Tetra-Me ether
Synonym(s): 4',5-Dihydroxy-3',5',6,7-tetramethoxyflavone

CAS Registry Number: 83133-17-9

Molecular Formula: $C_{19}H_{18}O_8$
Molecular Weight: 374.346
Accurate Mass: 374.10017
Percentage Composition: C 60.96%; H 4.85%; O 34.19%
Biological Source: Constit. of *Artemisia mesatlantica*
Physical Description: Yellow plates (MeOH)
Melting Point: Mp 240-242°

>>**Derivative:** 3',5',6,7-Tetra-Me ether, 5-*O*-[α-L-rhamnopyranosyl-(1→6)-β-D-galactopyranoside]

CAS Registry Number: 221898-75-5

Molecular Formula: $C_{31}H_{38}O_{17}$
Molecular Weight: 682.631
Accurate Mass: 682.210905
Percentage Composition: C 54.54%; H 5.61%; O 39.84%
Biological Source: Constit. of *Aloe barbadensis*
Physical Description: Yellow cryst. ($MeOH/CHCl_3$)
Melting Point: Mp 252-255°
UV: [neutral] λ_{max} 244 (sh) (); 277 (); 350 () (MeOH)
Other Data: Incorrect struct. in ref. and CA

>>**Derivative:** 4',5',6,7-Tetra-Me ether
Synonym(s): 3',5-Dihydroxy-4',5',6,7-tetramethoxyflavone

CAS Registry Number: 111537-41-8

Molecular Formula: $C_{19}H_{18}O_8$
Molecular Weight: 374.346
Accurate Mass: 374.10017
Percentage Composition: C 60.96%; H 4.85%; O 34.19%
Biological Source: Isol. from *Gardenia* spp. Also from *Carphochaete bigelovi*
Physical Description: Pale yellow cryst. (MeOH/petrol)
Melting Point: Mp 218°
Other Data: Formerly assigned incorrect struct.

>>**Derivative:** 3',4',5',6,7-Penta-Me ether
Synonym(s): 5-Hydroxy-3',4',5',6,7-pentamethoxyflavone. **Umuhengerin**

CAS Registry Number: 29215-55-2

Molecular Formula: $C_{20}H_{20}O_8$
Molecular Weight: 388.373
Accurate Mass: 388.11582
Percentage Composition: C 61.85%; H 5.19%; O 32.96%
Biological Source: Isol. from *Gardenia* spp., *Merrillia caloxylon*, *Otanthus maritimus* and *Lantana trifolia*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 193-194°
Solubility: BERDY SOL: Sol. MeOH, Et_2O; poorly sol. H_2O
UV: [neutral] λ_{max} 277 (ε 21900); 330 (ε 27000) (MeOH) (Berdy) [base] λ_{max} 293 (ε 33800) (MeOH-NAOH) (Berdy)