



Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Physical Description: Needles (MeOH)

Melting Point: Mp 169-170°

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

Synonym(s): 5,6-Dihydroxy-3',4',7,8-tetramethoxyflavone. **Pebrellin**

CAS Registry Number: 13509-93-8

Molecular Formula: C₁₉H₁₈O₈

Molecular Weight: 374.346

Accurate Mass: 374.10017

Percentage Composition: C 60.96%; H 4.85%; O 34.19%

Biological Source: Constit. of *Mentha piperita* and *Thymus piperella*

>> **Derivative:** 3',4',6,8-Tetra-Me ether

>> **Derivative:** 4',5,6,7,8-Penta-Me ether

Synonym(s): 3'-Hydroxy-4',5,6,7,8-pentamethoxyflavone

CAS Registry Number: 112448-39-2

Molecular Formula: C₂₀H₂₀O₈

Molecular Weight: 388.373

Accurate Mass: 388.11582

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Biological Source: Constit. of mandarin orange (*Citrus reticulata*)

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 139-140°

>> **Derivative:** 3',4',6,7,8-Penta-Me ether

Synonym(s): 5-Hydroxy-3',4',6,7,8-pentamethoxyflavone. **Demethylnobiletin**. 5-Desmethoxynobiletin (incorr.)

CAS Registry Number: 2174-59-6

Molecular Formula: C₂₀H₂₀O₈

Molecular Weight: 388.373

Accurate Mass: 388.11582

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Biological Source: Isol. from *Citrus* spp., *Sideritis* sp., *Heteropappus* sp., *Mentha piperita*, *Amaracus pampanini* and *Thymus* sp.

Melting Point: Mp 145-146°

>> **Derivative:** 3',5,6,7,8-Penta-Me ether

Synonym(s): 4'-Hydroxy-3',5,6,7,8-pentamethoxyflavone

CAS Registry Number: 34810-62-3

Molecular Formula: C₂₀H₂₀O₈

Molecular Weight: 388.373

Accurate Mass: 388.11582

Percentage Composition: C 61.85%; H 5.19%; O 32.96%

Biological Source: Constit. of *Eupatorium leucolepis* and *Citrus reticulata*

Physical Description: Cryst. (MeOH aq.) (also descr. as gum)

Melting Point: Mp 147-148°