>>**Derivative:** 4',7-Di-Me ether

>>**Derivative:** 5,7-Di-Me ether
Synonym(s): 4'-Hydroxy-5,7-dimethoxyflavone

CAS Registry Number: 16290-50-9
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%
Physical Description: Needles (AcOH)
Melting Point: Mp 293-295°

>>**Derivative:** 5,7-Di-Me ether, 4'-*O*-β-D-apiofuranoside
Synonym(s): Strobilanthin

CAS Registry Number: 110282-44-5

Molecular Formula: $C_{22}H_{22}O_9$
Molecular Weight: 430.41
Accurate Mass: 430.126385
Percentage Composition: C 61.39%; H 5.15%; O 33.46%
Biological Source: Constit. of *Strobilanthes japonicus*

>>**Derivative:** 5,7-Di-Me ether, 4'-*O*-β-D-galactopyranoside

CAS Registry Number: 60372-13-6

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 flowers of *Morinda citrifolia*

>>**Derivative:** Tri-Me ether
Synonym(s): 4',5,7-Trimethoxyflavone

CAS Registry Number: 5631-70-9

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: Occurs in the leaves of *Cassia siamea*, also from *Citrus reticulata, Boesenbergia pandurata* and *Garcinia kola*
Physical Description: Needles (EtOH)
Melting Point: Mp 156-157°

References: