



>>>Derivative: 1,3-Di-Me ether, 2-*O*-β-D-glucopyranoside
Synonym(s): 4-Hydroxy-2,6-dimethoxyphenyl glucoside. **Leonuride A**

CAS Registry Number: 121748-12-7

Molecular Formula: C₁₄H₂₀O₉
Molecular Weight: 332.307
Accurate Mass: 332.110735
Percentage Composition: C 50.60%; H 6.07%; O 43.33%
Biological Source: Constit. of *Coix lachryma-jobi*, *Leonurus japonicus*, *Prunus* sp., *Salix sachalinensis* and *Swertia japonica*
Physical Description: Needles (Me₂CO aq.)
Melting Point: Mp 232-234°
Optical Rotation: [α]_D²⁵ -44.4 (c, 0.2 in Me₂CO/MeOH)

>>>Derivative: 1,3-Di-Me ether, 2-*O*-[3,4,5-trihydroxybenzoyl-(→6)-β-D-glucopyranoside]
Synonym(s): 2,6-Dimethoxy-4-hydroxyphenyl 6-galloylglucoside

CAS Registry Number: 125288-24-6

Molecular Formula: C₂₁H₂₄O₁₃
Molecular Weight: 484.413
Accurate Mass: 484.121695
Percentage Composition: C 52.07%; H 4.99%; O 42.94%
Biological Source: Constit. of the leaf of *Mallotus japonicus*
Physical Description: Needles + 1H₂O (H₂O)
Melting Point: Mp 242-243°
Optical Rotation: [α]_D²⁶ -36.6 (c, 0.3 in Me₂CO aq.)

>>>Derivative: 1,3-Di-Me ether, 5-*O*-β-glucopyranoside
Synonym(s): **Koaburaside**

CAS Registry Number: 41653-73-0

Molecular Formula: C₁₄H₂₀O₉
Molecular Weight: 332.307
Accurate Mass: 332.110735
Percentage Composition: C 50.60%; H 6.07%; O 43.33%
Biological Source: Constit. of the stems of *Enkianthus nudipes* and *Eucommia ulmoides*, also from *Hypericum geminiflorum*
Physical Description: Powder (Py)
Melting Point: Mp 238°
UV: [neutral] λ_{max} 282 (log ε 3.89); 402 (log ε 3.34) (MeOH)

>>>Derivative: 1,3-Di-Me ether, 5-*O*-[3,4,5-trihydroxybenzoyl-(→6)-β-D-glucopyranoside]
Synonym(s): **6-*O*-Galloylkoaburaside**

CAS Registry Number: 109194-57-2

Molecular Formula: C₂₁H₂₄O₁₃
Molecular Weight: 484.413
Accurate Mass: 484.121695
Percentage Composition: C 52.07%; H 4.99%; O 42.94%
Biological Source: Isol. from the bark of *Quercus acutissima* and *Quercus mongolica*
Physical Description: Needles + 1H₂O
Melting Point: Mp 150-151°
Optical Rotation: [α]_D²⁵ -42.2 (c, 0.6 in Me₂CO)