



>>Derivative: 1,2,3-Tri-Me ether, 5-*O*-β-D-glucopyranoside

CAS Registry Number: 41514-64-1

Molecular Formula: C₁₅H₂₂O₉

Molecular Weight: 346.333

Accurate Mass: 346.126385

Percentage Composition: C 52.02%; H 6.40%; O 41.58%

Biological Source: Constit. of *Cotoneaster adpressus*, *Kmeria duperreana*, *Quillaja saponaria*, *Parabenzoin praecox* and *Rosa transmorrissonensis*

Physical Description: Needles (Et₂O/MeOH)

Melting Point: Mp 201-203°

Optical Rotation: [α]_D²⁰ -22.3 (c, 0.38 in MeOH)

>>Derivative: 1,2,3-Tri-Me ether, 5-*O*-[3,4,5-trihydroxybenzoyl-(→6)-β-D-glucopyranoside]

Synonym(s): 3,4,5-Trimethoxyphenyl 6-galloylglucoside

Molecular Formula: C₂₂H₂₆O₁₃

Molecular Weight: 498.44

Accurate Mass: 498.137345

Percentage Composition: C 53.01%; H 5.26%; O 41.73%

Biological Source: Constit. of *Tristaniopsis calobuxus*

Biological Use/Importance: Antiplasmodial agent

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁵ -23.4 (c, 0.2 in MeOH)

>>Derivative: 1,2,3-Tri-Me ether, 5-*O*-[4-hydroxy-3-methoxybenzoyl-(→6)-β-D-glucopyranoside]

Synonym(s): Tetracentronside A

CAS Registry Number: 155861-85-1

Molecular Formula: C₂₃H₂₈O₁₂

Molecular Weight: 496.467

Accurate Mass: 496.15808

Percentage Composition: C 55.64%; H 5.68%; O 38.67%

Biological Source: Constit. of *Betula pubescens* and *Tetracentron sinense*

Physical Description: Needles (EtOAc)

Melting Point: Mp 125-126°

Optical Rotation: [α]_D²⁵ -43.6 (c, 0.23 in MeOH)

UV: [neutral] $\lambda_{\max}$ 239 (); 271 () (MeOH)

>>Derivative: 1,2,3-Tri-Me ether, 5-*O*-[4-hydroxy-3,5-dimethoxybenzoyl-(→6)-β-D-glucopyranoside]

CAS Registry Number: 155861-86-2

Molecular Formula: C₂₄H₃₀O₁₃

Molecular Weight: 526.493

Accurate Mass: 526.168645

Percentage Composition: C 54.75%; H 5.74%; O 39.51%

Biological Source: Constit. of *Betula pubescens*

Optical Rotation: [α]_D -29 (c, 0.2 in MeOH)

>>Derivative: 1,2,3-Tri-Me ether, 5-*O*-[2,6-bis(3,4,5-trihydroxybenzoyl)-β-D-glucopyranoside]

Synonym(s): 3,4,5-Trimethoxyphenyl 2,6-digalloylglucoside

CAS Registry Number: 125288-23-5

Molecular Formula: C₂₉H₃₀O₁₇

Molecular Weight: 650.546

Accurate Mass: 650.148305

Percentage Composition: C 53.54%; H 4.65%; O 41.81%

Biological Source: Isol. from the leaf of *Mallotus japonicus* and *Psidium guajava*

Physical Description: Needles + 3H₂O (H₂O)

Melting Point: Mp 269-271°

Optical Rotation: [α]_D²⁶ -33.5 (c, 0.5 in Me₂CO)