



UV: [neutral] $\lambda_{\max}$ 211 (ϵ 1300); 228 (ϵ 1740); 313 (ϵ 3310) (EtOH)

>>Derivative: 3-Ac, 2-*O*- β -D-glucopyranoside

Synonym(s): Regaloside B

CAS Registry Number: 114420-67-6

Molecular Formula: C₂₀H₂₆O₁₁

Molecular Weight: 442.419

Accurate Mass: 442.147515

Percentage Composition: C 54.30%; H 5.92%; O 39.78%

Biological Source: Isol. from bulbs of *Lilium longiflorum*, *Lilium regale* and *Lilium brownii*

Physical Description: Pale yellow amorph. powder

Optical Rotation: $[\alpha]_{\text{D}}^{15}$ -21.2 (c, 1.0 in MeOH)

Other Data: Bitter taste

>>Derivative: 4'-Me ether

Synonym(s): 1-*O*-(4-Methoxycinnamoyl)glycerol

CAS Registry Number: 220852-57-3

Molecular Formula: C₁₃H₁₆O₅

Molecular Weight: 252.266

Accurate Mass: 252.099775

Percentage Composition: C 61.90%; H 6.39%; O 31.71%

Biological Source: Constit. of *Juncus effusus*

Optical Rotation: $[\alpha]_{\text{D}}$ +12.4 (MeOH)

>>Derivative: 4'-Me ether, 2-*O*- β -D-glucopyranoside

Synonym(s): 2-*O*-Glucosyl-1-*O*-(4-methoxycinnamoyl)-*sn*-glycerol. Methylregaloside D

CAS Registry Number: 138797-42-9

Molecular Formula: C₁₉H₂₆O₁₀

Molecular Weight: 414.408

Accurate Mass: 414.1526

Percentage Composition: C 55.07%; H 6.32%; O 38.61%

Biological Source: Constit. of *Lilium mackliniae*

Physical Description: Amorph. powder

Optical Rotation: $[\alpha]_{\text{D}}^{26}$ -19.2 (c, 0.5 in MeOH)

>>Derivative: 4'-Me ether, 3-*O*- β -D-glucopyranoside

Synonym(s): 3-*O*-Glucosyl-1-*O*-(4-methoxycinnamoyl)-*sn*-glycerol. Methylregaloside A

CAS Registry Number: 117591-86-3

Molecular Formula: C₁₉H₂₆O₁₀

Molecular Weight: 414.408

Accurate Mass: 414.1526

Percentage Composition: C 55.07%; H 6.32%; O 38.61%

Biological Source: Constit. of *Lilium henryi*

Physical Description: Cryst. (Et₂O/MeOH)

Melting Point: Mp 146-148°

Optical Rotation: $[\alpha]_{\text{D}}^{22}$ -13 (c, 0.20 in MeOH)

>>Derivative: 4'-Me ether, 2,3-*O*-isopropylidene

Synonym(s): 1-*O*-(4-Methoxycinnamoyl)-2,3-*O*-isopropylidene-*sn*-glycerol

CAS Registry Number: 220852-55-1

Molecular Formula: C₁₆H₂₀O₅

Molecular Weight: 292.331

Accurate Mass: 292.131075

Percentage Composition: C 65.74%; H 6.90%; O 27.37%

Biological Source: Constit. of *Juncus effusus*

Optical Rotation: $[\alpha]_{\text{D}}$ +7.5 (c, 0.5 in MeOH)