



>>>Derivative: 3-*O*-[α -L-Arabinopyranosyl-(1 $\rightarrow$ 2)- β -D-glucuronopyranoside]

Synonym(s): Araboglycyrrhizin

CAS Registry Number: 121687-83-0

Molecular Formula: C₄₁H₆₂O₁₄

Molecular Weight: 778.932

Accurate Mass: 778.41396

Percentage Composition: C 63.22%; H 8.02%; O 28.76%

Biological Source: Isol. from roots of *Glycyrrhiza inflata*

Physical Description: Monohydrate

Melting Point: Mp 225-230°

Optical Rotation: [α]_D²⁵+31 (MeOH)

Other Data: Sweet taste

>>>Derivative: 3-*O*-[β -D-Glucopyranuronosyl-(1 $\rightarrow$ 2)- β -D-glucuronopyranoside]

>>>Derivative: 3-*O*-[β -D-Glucopyranuronosyl-(1 $\rightarrow$ 2)- α -D-glucuronopyranoside], β -D-glucopyranosyl ester

Synonym(s): Licoricesaponin A3

CAS Registry Number: 118325-22-7

Molecular Formula: C₄₈H₇₂O₂₁

Molecular Weight: 985.084

Accurate Mass: 984.456615

Percentage Composition: C 58.53%; H 7.37%; O 34.11%

Biological Source: Isol. from roots of *Glycyrrhiza uralensis* and *Glycyrrhiza inflata*

Physical Description: Trihydrate

Melting Point: Mp 196-199°

Optical Rotation: [α]_D²³+69 (MeOH)

>>>Derivative: 3-*O*-[6-*O*-Methyl- β -D-glucuronopyranosyl-(1 $\rightarrow$ 2)-6-*O*-butyl- β -D-glucuronopyranoside]

Synonym(s): Inflasaponin I

CAS Registry Number: 158511-51-4

Molecular Formula: C₄₇H₇₂O₁₆

Molecular Weight: 893.076

Accurate Mass: 892.48204

Percentage Composition: C 63.21%; H 8.13%; O 28.66%

Biological Source: Constit. of *Glycyrrhiza inflata*

Physical Description: Amorph. powder

Melting Point: Mp 256-258°

>>>Derivative: 3-*O*-[6-*O*-Ethyl- β -D-glucuronopyranosyl-(1 $\rightarrow$ 2)-6-*O*-butyl- β -D-glucuronopyranoside]

Synonym(s): Inflasaponin II

CAS Registry Number: 160098-76-0

Molecular Formula: C₄₈H₇₄O₁₆

Molecular Weight: 907.103

Accurate Mass: 906.49769

Percentage Composition: C 63.56%; H 8.22%; O 28.22%

Biological Source: Constit. of *Glycyrrhiza inflata*

Physical Description: Powder (MeCN/AcOH)

Melting Point: Mp 178-180°

UV: [neutral] $\lambda_{\max}$ 249 () (MeOH)