



Molecular Formula: C₄₆H₇₂O₁₇
Molecular Weight: 897.065
Accurate Mass: 896.476955
Percentage Composition: C 61.59%; H 8.09%; O 30.32%
Biological Source: From *Ophiopogon japonicus*
Physical Description: Cryst. (EtOH)
Melting Point: Mp 245-248 dec.°
Optical Rotation: [α]_D²⁰ -86.65 (Py)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-[β -D-xylopyranosyl-(1→4)]- β -D-glucopyranoside]

Synonym(s): Sprengerinin C

CAS Registry Number: 88861-91-0

Molecular Formula: C₄₄H₇₀O₁₆
Molecular Weight: 855.027
Accurate Mass: 854.46639
Percentage Composition: C 61.81%; H 8.25%; O 29.94%
Biological Source: Constit. of *Asparagus sprengeri*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 245-250°
Optical Rotation: [α]_D²⁰ -86.4 (c, 1 in Py)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-[α -L-rhamnopyranosyl-(1→3)]- β -D-glucopyranoside]

Synonym(s): Taccaoside. Collettiside IV

CAS Registry Number: 75055-90-2

Molecular Formula: C₄₅H₇₂O₁₆
Molecular Weight: 869.054
Accurate Mass: 868.48204
Percentage Composition: C 62.19%; H 8.35%; O 29.46%
Biological Source: Constit. of *Dioscorea* spp. and *Tacca cheancer*
Physical Description: Cryst.
Melting Point: Mp 249-251 dec.°
Optical Rotation: [α]_D²⁵ -93.4 (c, 2.14 in DMF)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)- α -L-rhamnopyranosyl-(1→4)]- β -D-glucopyranoside]

Synonym(s): Dioscin. Collettiside III

CAS Registry Number: 19057-60-4

Molecular Formula: C₄₅H₇₂O₁₆
Molecular Weight: 869.054
Accurate Mass: 868.48204
Percentage Composition: C 62.19%; H 8.35%; O 29.46%
Biological Source: Constit. of *Dioscorea* spp., *Trillium* spp. and *Paris dunniana*
Physical Description: Cryst.
Melting Point: Mp 275-277 dec.°
Optical Rotation: [α]_D¹³ -115 (c, 0.4 in EtOH)
Hazard & Toxicity: LD₅₀ (mus, ipr) 38 mg/kg

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-[α -L-rhamnopyranosyl-(1→6)]- β -D-glucopyranoside]

Synonym(s): Sprengerinin D

CAS Registry Number: 88861-92-1

Molecular Formula: C₄₅H₇₂O₁₆
Molecular Weight: 869.054
Accurate Mass: 868.48204
Percentage Composition: C 62.19%; H 8.35%; O 29.46%
Biological Source: Constit. of *Asparagus sprengeri*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 250-255°
Optical Rotation: [α]_D²⁰ -85.2 (c, 1 in Py)