



Molecular Formula: C₄₄H₇₀O₁₇
Molecular Weight: 871.027
Accurate Mass: 870.461305
Percentage Composition: C 60.67%; H 8.10%; O 31.23%
Biological Source: Constit. of *Capsicum annuum*
Melting Point: Mp 263-265°
Optical Rotation: [α]_D²⁰ -60 (c, 1.0 in MeOH)

>> **Derivative:** 3-*O*-[4-*O*-Acetyl- α -L-rhamnopyranosyl-(1→2)-[β -D-apiofuranosyl-(1→4)]- β -D-glucopyranoside]
Synonym(s): Aferoside B

CAS Registry Number: 197151-32-9

Molecular Formula: C₄₆H₇₂O₁₇
Molecular Weight: 897.065
Accurate Mass: 896.476955
Percentage Composition: C 61.59%; H 8.09%; O 30.32%
Biological Source: Constit. of *Costus afer*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁶ -90 (c, 0.35 in MeOH)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-[α -L-arabinopyranosyl-(1→4)]- β -D-glucopyranoside]
Synonym(s): Polyphyllin D, Parissaponin Pa

CAS Registry Number: 76296-72-5
Extra CAS Registry Numbers(s): 50773-41-6

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 *Paris polyphylla*
Biological Use/Importance: Haemostatic agent
Physical Description: Cryst. (MeOH)
Melting Point: Mp 275-280°
Optical Rotation: [α]_D -133 (c, 0.56 in MeOH) (-113)
Calculated Log P Data: Log P 1.02 (uncertain value) (calc)

>> **Derivative:** 3-*O*-[α -L-Rhamnopyranosyl-(1→2)-[β -D-xylopyranosyl-(1→3)]- β -D-galactopyranoside]
Synonym(s): Indioside E

CAS Registry Number: 146388-18-3

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 *Solanum indicum*
Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁶ -78.9 (c, 0.5 in Py)

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

CAS Registry Number: 65604-80-0

Molecular Formula: C₄₄H₇₀O₁₆
Molecular Weight: 855.027
Accurate Mass: 854.46639
Percentage Composition: C 61.81%; H 8.25%; O 29.94%
Biological Source: From *Ophiopogon japonicus*
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 255-257 dec.°
Optical Rotation: [α]_D¹⁸ -41.34 (c, 0.17 in Py)