



>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 23-*O*-β-D-glucopyranoside

Synonym(s): Hosenkoside A

CAS Registry Number: 156791-82-1

Type of Compound Code(s): VS8230

Molecular Formula: C₄₈H₈₂O₂₀

Molecular Weight: 979.164

Accurate Mass: 978.53995

Percentage Composition: C 58.88%; H 8.44%; O 32.68%

Biological Source: Constit. of *Impatiens balsamina*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 234-236°

Optical Rotation: [α]_D²⁰+20.9 (c, 1.3 in Py)

>>>Derivative: 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranoside], 29-*O*-β-D-glucopyranoside

Synonym(s): Hosenkoside L

Type of Compound Code(s): VS8230

Molecular Formula: C₄₇H₈₀O₁₉

Molecular Weight: 949.138

Accurate Mass: 948.529385

Percentage Composition: C 59.48%; H 8.50%; O 32.03%

Biological Source: Constit. of *Impatiens balsamina*

Physical Description: Cryst.

Melting Point: Mp 220-222°

Optical Rotation: [α]_D²⁰+23.1 (c, 7.5 in MeOH)

>>>Derivative: 3-*O*-[β-D-Glucopyranosyl-(1→2)-β-D-glucopyranoside], 23,29-di-*O*-β-D-glucopyranoside

Synonym(s): Hosenkoside K

Type of Compound Code(s): VS8230

Molecular Formula: C₅₄H₉₂O₂₅

Molecular Weight: 1141.306

Accurate Mass: 1140.592775

Percentage Composition: C 56.83%; H 8.12%; O 35.05%

Biological Source: Constit. of *Impatiens balsamina*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 160-162°

Optical Rotation: [α]_D²⁰+16.3 (c, 7 in MeOH)

>>>Derivative: 3-*O*-[β-D-Xylopyranosyl-(1→2)-β-D-glucopyranoside], 23,29-di-*O*-β-D-glucopyranoside

Synonym(s): Hosenkoside M

Type of Compound Code(s): VS8230

Molecular Formula: C₅₃H₉₀O₂₄

Molecular Weight: 1111.28

Accurate Mass: 1110.58221

Percentage Composition: C 57.28%; H 8.16%; O 34.55%

Biological Source: Constit. of *Impatiens balsamina*

Physical Description: Cryst.

Melting Point: Mp 198-200°

Optical Rotation: [α]_D²⁰+21.7 (c, 5.6 in MeOH)

References:

Shoji, N. *et al.*, *Chem. Comm.*, 1983, 871, (*isol, cryst struct*)

Shoji, N. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 1422, (*Hosenkoside F, Hosenkoside H, Hosenkoside I, Hosenkoside J, Hosenkoside K*)

Shoji, N. *et al.*, *Phytochemistry*, 1994, **37**, 1437, (*Hosenkoside L, Hosenkoside M*)

Shoji, N. *et al.*, *Tetrahedron*, 1994, **50**, 4973, (*isol, pmr, cmr*)