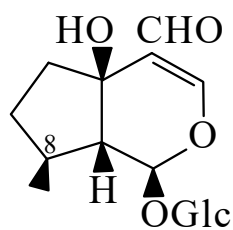




>>Entry Name: Stansioside



CAS Registry Number: 79617-00-8

Molecular Formula: C₁₆H₂₄O₉

Molecular Weight: 360.36

Accurate Mass: 360.142035

Percentage Composition: C 53.33%; H 6.71%; O 39.96%

Biological Source: Constit. of *Tecoma stans*

Optical Rotation: $[\alpha]_D^{25} -124.5$ (c, 0.7 in MeOH)

>>Derivative: Tetra-Ac

Physical Description: Cryst. (EtOH)

Melting Point: Mp 170-171°

Optical Rotation: $[\alpha]_D^{25} -91.7$ (c, 0.4 in Me₂CO)

>>Derivative: 8-Epimer

Synonym(s): Yuheinoside. Plantarenaloside

CAS Registry Number: 72396-01-1

Molecular Formula: C₁₆H₂₄O₉

Molecular Weight: 360.36

Accurate Mass: 360.142035

Percentage Composition: C 53.33%; H 6.71%; O 39.96%

Biological Source: Constit. of *Tecoma stans* and *Leucocarpus perfoliatus*

Physical Description: Amorph.

Optical Rotation: $[\alpha]_D^{25} -188.8$ (c, 1.2 in MeOH)

>>Derivative: 8-Epimer, tetra-Ac

Physical Description: Cryst. (EtOH)

Melting Point: Mp 186-187°

Optical Rotation: $[\alpha]_D^{25} -129.6$ (c, 1.4 in Me₂CO)

>>Derivative: 8-Epimer, 2'-(4-hydroxycinnamoyl)

Synonym(s): 2'-O-Coumaroylplantarenaloside

Molecular Formula: C₂₅H₃₀O₁₁

Molecular Weight: 506.505

Accurate Mass: 506.178815

Percentage Composition: C 59.28%; H 5.97%; O 34.75%

Biological Source: Constit. of *Penstemon parryi*

References:

- Ozaki, Y. *et al.*, *Helv. Chim. Acta*, 1979, **62**, 2708, (*Yuheinoside*)
Damtoft, S. *et al.*, *Phytochemistry*, 1981, **20**, 2717, (*cmr*)
Bianco, A. *et al.*, *Gazz. Chim. Ital.*, 1982, **112**, 199, (*isol, struct*)
Stermitz, F.R. *et al.*, *Phytochemistry*, 1994, **37**, 1283, (*isol, pmr, cmr*)