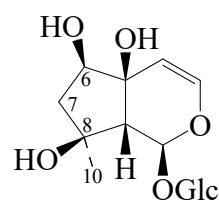




>>Entry Name: Harpagide



CAS Registry Number: 6926-08-5

Related CAS Registry Numbers(s): 79549-53-4 133645-38-2

Molecular Formula: C₁₅H₂₄O₁₀

Molecular Weight: 364.349

Accurate Mass: 364.13695

Percentage Composition: C 49.45%; H 6.64%; O 43.91%

Biological Source: Constit. of *Melittis melissophyllum*

Biological Use/Importance: Antiarthritic, antiinflammatory agent

Calculated Log P Data: Log P –6.4 (uncertain value) (calc)

>>Derivative: 8-Ac

Synonym(s): 8-Acetylharpagide

CAS Registry Number: 6926-14-3

Molecular Formula: C₁₇H₂₆O₁₁

Molecular Weight: 406.386

Accurate Mass: 406.147515

Percentage Composition: C 50.24%; H 6.45%; O 43.31%

Biological Source: Constit. of *Melittis melissophyllum* and *Ajuga reptans*

Biological Use/Importance: An ecdysteroid agonist

Physical Description: Cryst.

Melting Point: Mp 154-156°

Optical Rotation: [α]_D¹⁷ –132 (MeOH)

>>Derivative: Hepta-Ac

Molecular Formula: C₂₉H₃₈O₁₇

Molecular Weight: 658.609

Accurate Mass: 658.210905

Percentage Composition: C 52.89%; H 5.82%; O 41.30%

Physical Description: Cryst.

Melting Point: Mp 187-188°

>>Derivative: 8-O-Benzoyl

Synonym(s): Caprarioside

Molecular Formula: C₂₂H₂₈O₁₁

Molecular Weight: 468.457

Accurate Mass: 468.163165

Percentage Composition: C 56.41%; H 6.02%; O 37.57%

Biological Source: Constit. of *Capraria biflora*

>>Derivative: 8-O-(3,4-Dimethoxybenzoyl)

Synonym(s): Tecoside. 8-O-Veratroylharpagide

CAS Registry Number: 72933-37-0

Molecular Formula: C₂₄H₃₂O₁₃

Molecular Weight: 528.509

Accurate Mass: 528.184295

Percentage Composition: C 54.54%; H 6.10%; O 39.35%

Biological Source: Constit. of *Tecomella undulata*

Physical Description: Hygroscopic powder

Melting Point: Mp 139-142°

Optical Rotation: [α]_D²⁷ –159.3 (c, 0.4 in MeOH)