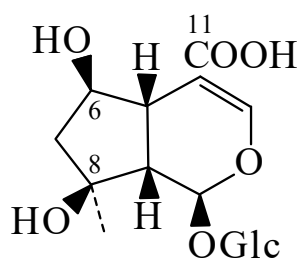




>>Entry Name: Shanzhiside

Synonym(s): (1-β-D-Glucopyranosyloxy)-1,4*a*,5,6,7,7*a*-hexahydro-5,7-dihydroxy-7-methylcyclopenta[*c*]pyran-4-carboxylic acid, 9Cl



CAS Registry Number: 29836-27-9

Molecular Formula: C₁₆H₂₄O₁₁

Molecular Weight: 392.359

Accurate Mass: 392.131865

Percentage Composition: C 48.98%; H 6.17%; O 44.86%

Biological Source: Constit. of *Gardenia jasminoides*

Physical Description: Cryst.

Melting Point: Mp 82-90°

Optical Rotation: [α]_D -81.7 (EtOH)

>>Derivative: Me ester

CAS Registry Number: 64421-28-9

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 *Mussaenda parviflora* and *Salvia digitaloides*

Physical Description: Powder

Optical Rotation: [α]_D³⁰ -110.8 (c, 0.42 in MeOH)

>>Derivative: 6-Ac, Me ester

Synonym(s): 6-*O*-Acetylshanzhiside methyl ester

CAS Registry Number: 110186-13-5

Molecular Formula: C₁₉H₂₈O₁₂

Molecular Weight: 448.423

Accurate Mass: 448.15808

Percentage Composition: C 50.89%; H 6.29%; O 42.82%

Biological Source: Constit. of *Barleria lupulina*

Physical Description: Needles (MeOH/EtOAc)

Melting Point: Mp 227-228°

Optical Rotation: [α]_D²² -118.7 (c, 0.17 in MeOH)

>>Derivative: 8-Ac, Me ester

Synonym(s): Barlerin. Umbroside

CAS Registry Number: 57420-46-9

Molecular Formula: C₁₉H₂₈O₁₂

Molecular Weight: 448.423

Accurate Mass: 448.15808

Percentage Composition: C 50.89%; H 6.29%; O 42.82%

Biological Source: Constit. of *Barleria prionitis*

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 180°

Optical Rotation: [α]_D -8.5 (c, 0.8 in MeOH)