



Synonym(s): 1,8-Dihydroxy-2,6-dimethoxyxanthone. **Swertiaperenin.** Swertiaperrenin

CAS Registry Number: 22172-17-4

Molecular Formula: C₁₅H₁₂O₆

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Constit. of *Centaurium cachanlahuen* and *Canscora decussata*

Melting Point: Mp 191°

>>Derivative: 2,6-Di-Me ether, 8-*O*-β-D-glucopyranoside

CAS Registry Number: 82793-40-6

Molecular Formula: C₂₁H₂₂O₁₁

Molecular Weight: 450.398

Accurate Mass: 450.116215

Percentage Composition: C 56.00%; H 4.92%; O 39.08%

Biological Source: Constit. of *Swertia paniculata*

>>Derivative: 2,6-Di-Me ether, 8-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]

CAS Registry Number: 60354-05-4

Molecular Formula: C₂₆H₃₀O₁₅

Molecular Weight: 582.514

Accurate Mass: 582.158475

Percentage Composition: C 53.61%; H 5.19%; O 41.20%

Biological Source: Constit. of *Swertia perennis* and *Swertia przewalskii*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 167-168 dec.°

>>Derivative: 2,8-Di-Me ether

Synonym(s): 1,6-Dihydroxy-2,8-dimethoxyxanthone. **Isogentiacaulin**

CAS Registry Number: 20882-77-3

Molecular Formula: C₁₅H₁₂O₆

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Biological Source: Constit. of *Gentiana ciliata* and *Haploclathra paniculata*

>>Derivative: 2,8-Di-Me ether, 6-*O*-β-D-glucopyranoside

CAS Registry Number: 67783-23-7

Molecular Formula: C₂₁H₂₂O₁₁

Molecular Weight: 450.398

Accurate Mass: 450.116215

Percentage Composition: C 56.00%; H 4.92%; O 39.08%

Biological Source: Constit. of *Gentiana ciliata*

Melting Point: Mp 225°

>>Derivative: 2,8-Di-Me ether, 1-*O*-[β-D-xylopyranosyl-(1→6)-β-D-glucopyranoside]

CAS Registry Number: 67783-22-6

Molecular Formula: C₂₆H₃₀O₁₅

Molecular Weight: 582.514

Accurate Mass: 582.158475

Percentage Composition: C 53.61%; H 5.19%; O 41.20%

Biological Source: Constit. of *Gentiana ciliata*

Melting Point: Mp 215-218°