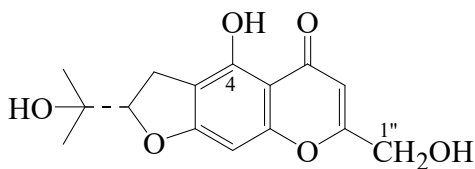




>>Entry Name: Angelicain

Synonym(s): 2,3-Dihydro-4-hydroxy-7-(hydroxymethyl)-2-(1-hydroxy-1-methylethyl)-5*H*-furo[3,2-*g*][1]benzopyran-5-one, 9Cl. Norcimifugin



CAS Registry Number: 64519-22-8

Molecular Formula: C₁₅H₁₆O₆

Molecular Weight: 292.288

Accurate Mass: 292.09469

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

>>Variant: (*S*)-form

CAS Registry Number: 49624-66-0

Molecular Formula: C₁₅H₁₆O₆

Molecular Weight: 292.288

Accurate Mass: 292.09469

Percentage Composition: C 61.64%; H 5.52%; O 32.84%

Biological Source: Constit. of *Angelica archangelica*, *Cimicifuga foetida* and *Eranthis pinnatifida*

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst.

Melting Point: Mp 208-209°

Optical Rotation: [α]_D +49

>>Derivative: 1"-*O*- β -D-Glucopyranoside

Synonym(s): *prim-O*-Glucosylangelicain

CAS Registry Number: 85889-15-2

Molecular Formula: C₂₁H₂₆O₁₁

Molecular Weight: 454.43

Accurate Mass: 454.147515

Percentage Composition: C 55.50%; H 5.77%; O 38.73%

Biological Source: Constit. of *Coelopleurum gmelinii*

Physical Description: Needles (EtOH)

Melting Point: Mp 130-132°

Optical Rotation: [α]_D²² +13.7 (c, 0.580 in EtOH)

>>Derivative: 9-*O*-Angeloyl

Synonym(s): Angeliticin A

CAS Registry Number: 173994-06-4

Molecular Formula: C₂₀H₂₂O₇

Molecular Weight: 374.39

Accurate Mass: 374.136555

Percentage Composition: C 64.16%; H 5.92%; O 29.91%

Biological Source: Constit. of *Angelica polymorpha*

Physical Description: Cryst.

Melting Point: Mp 177-178°