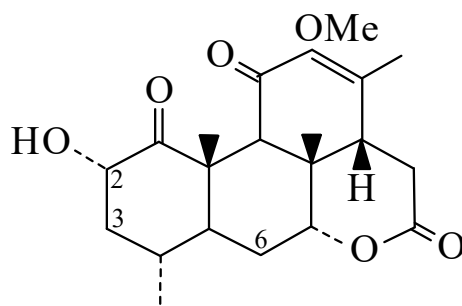




>>Entry Name: Picrasin B

Synonym(s): Nigakilactone I. Simalikalactone B



CAS Registry Number: 26121-56-2

Molecular Formula: $C_{21}H_{28}O_6$

Molecular Weight: 376.449

Accurate Mass: 376.18859

Percentage Composition: C 67.00%; H 7.50%; O 25.50%

Biological Source: Constit. of *Picrasma quassioides*, *Soulamea pancheri* and *Quassia africana*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 255-257°

Optical Rotation: $[\alpha]_D +16.4$ (CHCl₃)

>>Derivative: 2-O-β-D-Glucopyranoside

Synonym(s): Picrasinoside A

CAS Registry Number: 83543-82-2

Molecular Formula: $C_{27}H_{38}O_{11}$

Molecular Weight: 538.591

Accurate Mass: 538.241415

Percentage Composition: C 60.21%; H 7.11%; O 32.68%

Biological Source: Constit. of bark of *Picrasma ailanthoides*

Physical Description: Cryst.

Melting Point: Mp 167.5-168.5°

Optical Rotation: $[\alpha]_D^{24} -54$ (c, 0.4 in Py)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. hexane

UV: [neutral] λ_{max} 252 (ε 8000) (EtOH) (Berdy)

>>Derivative: 6α-Hydroxy

Synonym(s): 6-Hydroxypicrasin B

CAS Registry Number: 30315-05-0

Molecular Formula: $C_{21}H_{28}O_7$

Molecular Weight: 392.448

Accurate Mass: 392.183505

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Biological Source: From *Soulamea pancheri*

Physical Description: Cryst.

Melting Point: Mp 285-290°

Optical Rotation: $[\alpha]_D -48.2$ (CHCl₃)

>>Derivative: 2,3-Didehydro

CAS Registry Number: 26121-57-3

Molecular Formula: $C_{21}H_{26}O_6$

Molecular Weight: 374.433

Accurate Mass: 374.17294

Percentage Composition: C 67.36%; H 7.00%; O 25.64%

Biological Source: Constit. of *Soulamea muelleri*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 248-250°

Optical Rotation: $[\alpha]_D^{22} +31.1$ (c, 0.9 in 2:1 MeOH/CHCl₃)

>>Derivative: 2,3-Didehydro, Me ether