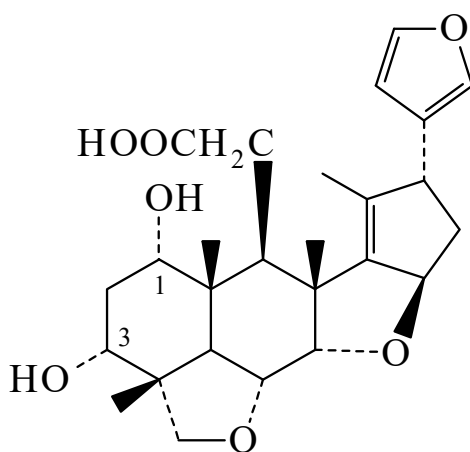




>>Entry Name: Salannic acid

Synonym(s): Nimbidic acid



CAS Registry Number: 29803-85-8

Molecular Formula: $C_{26}H_{34}O_7$

Molecular Weight: 458.55

Accurate Mass: 458.230455

Percentage Composition: C 68.10%; H 7.47%; O 24.42%

Biological Source: Constit. of *Melia dubia*, *Melia volkensii*, *Melia indica* and *Azadirachta indica*

Physical Description: Cryst.

Melting Point: Mp 228-230°

>>Derivative: 1-*O*-Tigloyl, Me ester

Synonym(s): 3-Deacetylsalannin

CAS Registry Number: 1110-56-1

Molecular Formula: $C_{32}H_{42}O_8$

Molecular Weight: 554.679

Accurate Mass: 554.28797

Percentage Composition: C 69.29%; H 7.63%; O 23.08%

Biological Source: From *Azadirachta indica*

Use/Importance: Shows strong insect antifeedant activity

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 214-215°

Optical Rotation: $[\alpha]_D^{20} +134$ (c, 1 in $CHCl_3$)

>>Derivative: 1-*O*-Tigloyl, 3-Ac, Me ester

Synonym(s): Salannin

CAS Registry Number: 992-20-1

Molecular Formula: $C_{34}H_{44}O_9$

Molecular Weight: 596.716

Accurate Mass: 596.298535

Percentage Composition: C 68.44%; H 7.43%; O 24.13%

Biological Source: Minor constit. of nim oil from *Melia azadirachta*

Biological Use/Importance: Shows strong insect antifeedant activity against houseflies, termites and other insects

Physical Description: Cryst.

Melting Point: Mp 167-170°

Optical Rotation: $[\alpha]_D +167$ ($CHCl_3$)

>>Derivative: 1-(3-Methylbutanoyl), Me ester

Synonym(s): Salannol

CAS Registry Number: 78012-51-8

Molecular Formula: $C_{32}H_{44}O_8$

Molecular Weight: 556.695

Accurate Mass: 556.30362

Percentage Composition: C 69.04%; H 7.97%; O 22.99%

Biological Source: From *Azadirachta indica*

Use/Importance: Shows strong insect antifeedant activity

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 208°

Optical Rotation: $[\alpha]$