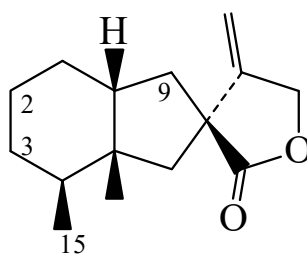




>>Entry Name: Fukinanolide

Synonym(s): Bakkenolide A



CAS Registry Number: 19906-72-0

Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of *Petasites* spp.

Physical Description: Cryst. (pentane)

Melting Point: Mp 80.5-80.6°

Optical Rotation: $[\alpha]_D^{22} +17$ (c, 1 in MeOH)

>>Derivative: 2 α -Hydroxy

Synonym(s): 2-Hydroxyfukinanolide. 2-Hydroxybakkenolide A

Physical Description: Cryst.

Melting Point: Mp 91-93°

>>Derivative: 2 α -Hydroxy, 2-angeloyl

Synonym(s): 2 α -Angeloyloxybakkenolide A. **Homogynolide A**

CAS Registry Number: 133773-37-2

Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Homogyne alpina*

Physical Description: Cryst.

Melting Point: Mp 62-65°

>>Derivative: 3 α -Hydroxy, 3-tigloyl

Synonym(s): 3 α -Tigloyloxybakkenolide A. **Homogynolide B**

Molecular Formula: C₂₀H₂₈O₄

Molecular Weight: 332.439

Accurate Mass: 332.19876

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Homogyne alpina*

Physical Description: Oil

>>Derivative: 9 β -Hydroxy

Synonym(s): **Bakkenolide S**. 9 β -Hydroxyfukinanolide

CAS Registry Number: 226711-43-9

Molecular Formula: C₁₅H₂₂O₃

Molecular Weight: 250.337

Accurate Mass: 250.156895

Percentage Composition: C 71.97%; H 8.86%; O 19.17%

Source/Synthesis: Constit. of *Petasites formosanus*

Physical Description: Oil

Optical Rotation: $[\alpha]_D -87$ (c, 0.037 in MeOH)