



Molecular Formula: C₂₄H₃₄O₆

Molecular Weight: 418.529

Accurate Mass: 418.23554

Percentage Composition: C 68.88%; H 8.19%; O 22.94%

Biological Source: Constit. of *Petasites formosanus*

Physical Description: Oil

Optical Rotation: [α]_D −145 (c, 0.01 in MeOH)

>> **Derivative:** 9-(3-Methyl-2-butenoyl), 1-(2-methylpropanoyl)

Synonym(s): Bakkenolide Z_a

CAS Registry Number: 226711-52-0

Molecular Formula: C₂₄H₃₄O₆

Molecular Weight: 418.529

Accurate Mass: 418.23554

Percentage Composition: C 68.88%; H 8.19%; O 22.94%

Biological Source: Constit. of *Petasites formosanus*

Physical Description: Oil

Optical Rotation: [α]_D −124 (c, 0.013 in MeOH)

>> **Derivative:** 1-Angeloyl

Synonym(s): Bakkenolide C

CAS Registry Number: 18456-00-3

Molecular Formula: C₂₀H₂₈O₅

Molecular Weight: 348.438

Accurate Mass: 348.193675

Percentage Composition: C 68.94%; H 8.10%; O 22.96%

Biological Source: Constit. of *Petasites japonicus*

Physical Description: Cryst. (petrol)

Melting Point: Mp 167-167.5°

>> **Derivative:** 1-Angeloyl, 9-Ac

Synonym(s): Bakkenolide B. Fukinolide. Petasilide

CAS Registry Number: 18455-98-6

Molecular Formula: C₂₂H₃₀O₆

Molecular Weight: 390.475

Accurate Mass: 390.20424

Percentage Composition: C 67.67%; H 7.74%; O 24.58%

Biological Source: Constit. of *Petasites japonicus*

Physical Description: Cryst. (petrol)

Melting Point: Mp 101-102°

Optical Rotation: [α]_D²² −126 (c, 1 in MeOH)

>> **Derivative:** 1-Angeloyl, 9-(3-methylbutanoyl)

Synonym(s): Bakkenolide F_a

CAS Registry Number: 226711-30-4

Molecular Formula: C₂₅H₃₆O₆

Molecular Weight: 432.556

Accurate Mass: 432.25119

Percentage Composition: C 69.42%; H 8.39%; O 22.19%

Biological Source: Constit. of *Petasites formosanus*

Physical Description: Oil

Optical Rotation: [α]_D −122 (c, 0.069 in MeOH)