



Molecular Formula: C₃₀H₅₀O₄

Molecular Weight: 474.723

Accurate Mass: 474.37091

Percentage Composition: C 75.90%; H 10.62%; O 13.48%

Biological Source: Isol. from *Relhania calycina*

>>**Derivative:** 28-Carboxylic acid, 3-ketone

Synonym(s): 20-Hydroxy-3-oxo-28-lupanoic acid

CAS Registry Number: 93372-87-3

Molecular Formula: C₃₀H₄₈O₄

Molecular Weight: 472.707

Accurate Mass: 472.35526

Percentage Composition: C 76.23%; H 10.23%; O 13.54%

Biological Source: Isol. from *Orthopterygium huancuy*

Physical Description: Cryst. (MeOH) (as Me ester)

Melting Point: Mp 191-193°

>>**Derivative:** 28-Carboxylic acid, 3-*O*-[β-D-galactopyranosyl-(1→2)-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Snatzkein C

CAS Registry Number: 214976-88-2

Molecular Formula: C₄₈H₈₀O₁₉

Molecular Weight: 961.149

Accurate Mass: 960.529385

Percentage Composition: C 59.98%; H 8.39%; O 31.63%

Biological Source: Constit. of *Arenaria filicaulis*

Physical Description: Cryst.

Melting Point: Mp 234-235°

Optical Rotation: [α]_D²⁰ -52.1 (c, 0.46 in MeOH)

>>**Derivative:** 28-Carboxylic acid, 3-*O*-[β-D-glucopyranosyl-(1→2)-β-D-glucopyranoside], 28-*O*-β-D-glucopyranosyl ester

Synonym(s): Snatzkein D

CAS Registry Number: 214976-87-1

Molecular Formula: C₄₈H₈₀O₁₉

Molecular Weight: 961.149

Accurate Mass: 960.529385

Percentage Composition: C 59.98%; H 8.39%; O 31.63%

Biological Source: Constit. of *Arenaria filicaulis*

Physical Description: Cryst.

Melting Point: Mp 223-225°

Optical Rotation: [α]_D²⁰ -27.7 (c, 0.36 in MeOH)

References:

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Polhiko, N.D. *et al.*, *Khim. Prir. Soedin.*, 1986, **22**, 650; *Chem. Nat. Compd. (Engl. Transl.)*, 614, (*caffeoyl*)
Tsichritzis, F. *et al.*, *Phytochemistry*, 1990, **29**, 3173, (*3,20-Dihydroxy-28-lupanoic acid*)
Fuchino, H. *et al.*, *Chem. Pharm. Bull.*, 1996, **44**, 1748, (*isol, pmr, cmr*)
Yürüker, A. *et al.*, *Phytochemistry*, 1998, **48**, 863-866, (*3-ketone*)
Elgamal, M.H.A. *et al.*, *Phytochemistry*, 1998, **49**, 189-193, (*Snatzkeins*)