



>>Derivative: 28→13-Lactone, 3-*O*-(*p*-hydroxycinnamoyl)

Synonym(s): Tereticornate B

CAS Registry Number: 149725-21-3

Type of Compound Code(s): VS8650

Molecular Formula: C₃₉H₅₂O₅

Molecular Weight: 600.837

Accurate Mass: 600.381475

Percentage Composition: C 77.96%; H 8.72%; O 13.31%

Biological Source: Constit. of *Eucalyptus tereticornis*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 270-274°

Optical Rotation: [α]_D +37.3 (c, 1 in CHCl₃)

>>Derivative: 28→13 Lactone, 3-*O*-(4-hydroxy-3-methoxycinnamoyl)

Synonym(s): Tereticornate A

CAS Registry Number: 149751-81-5

Type of Compound Code(s): VS8650

Molecular Formula: C₄₀H₅₄O₆

Molecular Weight: 630.863

Accurate Mass: 630.39204

Percentage Composition: C 76.16%; H 8.63%; O 15.22%

Biological Source: Constit. of *Eucalyptus tereticornis*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 267-270°

Optical Rotation: [α]_D +27 (c, 1 in CHCl₃)

>>Derivative: 28→13 Lactone, 3-ketone

Synonym(s): 3-Oxo-11-ursen-28,13-olide. Camarolide

CAS Registry Number: 105870-60-8

Type of Compound Code(s): VS8650

Molecular Formula: C₃₀H₄₄O₃

Molecular Weight: 452.676

Accurate Mass: 452.329045

Percentage Composition: C 79.60%; H 9.80%; O 10.60%

Biological Source: Constit. of *Lantana camara*

Physical Description: Needles (MeOH)

Melting Point: Mp 204-205°

UV: [neutral] $\lambda_{\max}$ 210 () (MeOH)

>>Derivative: 28-Alcohol, 3-ketone, 28-Me ether

Synonym(s): Momoridcin

Type of Compound Code(s): VS8650

Molecular Formula: C₃₁H₅₀O₃

Molecular Weight: 470.734

Accurate Mass: 470.375995

Percentage Composition: C 79.10%; H 10.71%; O 10.20%

Biological Source: Constit. of *Momordica charantia*

Physical Description: Needles

Melting Point: Mp 121-122°

Optical Rotation: [α]_D²⁷ +62 (c, 0.12 in CHCl₃)

References:

- Horn, D.H.S. *et al.*, *Aust. J. Chem.*, 1964, **17**, 477, (*isol*)
Mezzetti, T. *et al.*, *Planta Med.*, 1970, **18**, 326; 1971, **20**, 244, (*isol, synth*)
Schiaffella, F. *et al.*, *Phytochemistry*, 1975, **14**, 584, (*isol*)
Katai, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 1567, (*isol*)
Wang, H. *et al.*, *Phytochemistry*, 1993, **33**, 151, (*Tereticornates*)
Hao, H. *et al.*, *Phytochemistry*, 1996, **42**, 1665, (*isol, pmr, cmr*)
Begum, S. *et al.*, *Phytochemistry*, 1997, **44**, 1313, (*Momordicin*)
Siddiqui, B.S. *et al.*, *Heterocycles*, 2000, **53**, 681-687, (*Camarolide*)
Begum, S. *et al.*, *J. Nat. Prod.*, 2000, **63**, 1265-1268, (*Camaldulin*)