



Molecular Weight: 430.626
Accurate Mass: 430.30831
Percentage Composition: C 75.31%; H 9.83%; O 14.86%
Biological Source: Sapogenin from *Cordyline australis*
Physical Description: Oil

>>**Variant:** (1 β ,3 β ,5 β)-form
Synonym(s): Convallamarogenin

CAS Registry Number: 16683-27-5

Molecular Formula: C₂₇H₄₂O₄
Molecular Weight: 430.626
Accurate Mass: 430.30831
Percentage Composition: C 75.31%; H 9.83%; O 14.86%
Biological Source: Sapogenin from *Convallaria majalis* and *Reineckia carnea*
Physical Description: Cryst. (MeOH)
Melting Point: Mp 258-263°
Optical Rotation: [α]_D²⁷ -78 (c, 0.92 in CHCl₃)

>>**Derivative:** Di-Ac

Melting Point: Mp 214-215°
Optical Rotation: [α]_D -88 (CHCl₃)

References:

- Tschesche, R. *et al.*, *Chem. Ber.*, 1961, **94**, 1699, (*isol, struct*)
Takeda, K. *et al.*, *Tetrahedron*, 1963, **19**, 759
Ronchetti, F. *et al.*, *Chem. Comm.*, 1973, 184, (*biosynth*)
Tschesche, R. *et al.*, *Phytochemistry*, 1975, **14**, 129, (*biosynth*)
Blunden, G. *et al.*, *Tetrahedron*, 1981, **37**, 2911, (*isol, pmr*)
Blunden, G. *et al.*, *J. Nat. Prod.*, 1984, **47**, 266, (*Australigenin, Hydroxycrabbogenin*)
Agrawal, P.K. *et al.*, *Phytochemistry*, 1985, **24**, 2479, (*cmr*)
Mimaki, Y. *et al.*, *Phytochemistry*, 1997, **45**, 1229-1234; 1998, **47**, 79-85, (*Cordyline stricta saponin*)