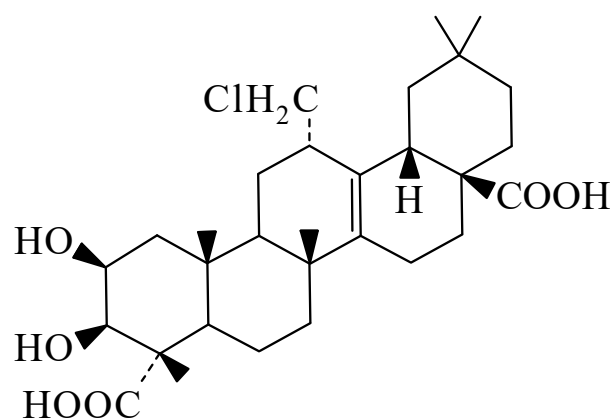




>>Entry Name: Senegenin  
Synonym(s): Tenuifolic acid



CAS Registry Number: 2469-34-3

Molecular Formula:  $C_{30}H_{45}ClO_6$

Molecular Weight: 537.135

Accurate Mass: 536.290467

Percentage Composition: C 67.08%; H 8.44%; Cl 6.60%; O 17.87%

Biological Source: Constit. of *Polygala senega*. Derived from Presenegenin by treatment with HCl. Also from *Polygala tenuifolia* and *Bredemeyera floribunda*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 290-292°

Optical Rotation:  $[\alpha]_D +19$  (c, 0.74 in EtOH)

#### References:

Shamma, M. *et al.*, *Chem. Ind. (London)*, 1960, 1272, (pmr)

Dugan, J.J. *et al.*, *Can. J. Chem.*, 1964, **42**, 491; 1965, **43**, 2033, (synth, uv, ir)

Tschesche, R. *et al.*, *Naturwissenschaften*, 1965, **52**, 303

Pelletier, S.W. *et al.*, *Chem. Comm.*, 1966, 727, (struct)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, SBY000