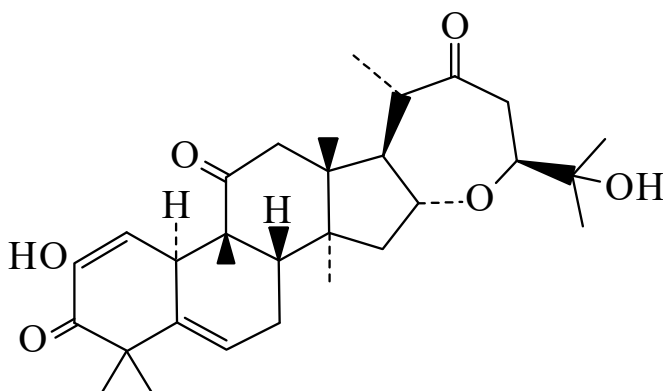




>>Entry Name: Cucurbitacin S

Synonym(s): 16 α ,24S-Epoxy-2,25-dihydroxycucurbita-1,5-diene-3,11,22-trione



CAS Registry Number: 60137-06-6

Molecular Formula: C₃₀H₄₂O₆

Molecular Weight: 498.658

Accurate Mass: 498.29814

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Biological Source: Constit. of *Bryonia dioica*

Physical Description: Yellow cryst. (EtOAc/petrol)

Melting Point: Mp 128-130°

>>Derivative: 2-O- β -D-Glucopyranoside

Molecular Formula: C₃₆H₅₂O₁₁

Molecular Weight: 660.8

Accurate Mass: 660.350965

Percentage Composition: C 65.44%; H 7.93%; O 26.63%

Biological Source: Constit. of *Luffa echinata*

Physical Description: Amorph. powder

Melting Point: Mp 170°

References:

Hylands, P.J. *et al.*, *Phytochemistry*, 1976, **15**, 559, (*isol*)

Hylands, P.J. *et al.*, *Phytochemistry*, 1982, **21**, 2703, (*isol, struct*)

Ahmad, M.U. *et al.*, *Phytochemistry*, 1994, **36**, 421, (*isol*)