Molecular Formula: $C_{32}H_{44}O_8$
Molecular Weight: 556.695
Accurate Mass: 556.30362
Percentage Composition: C 69.04%; H 7.97%; O 22.99%
Biological Source: Constit. of *Ecballium elaterium*, *Canobea scoparoides*, *Citrullus* and *Luffa* spp.
Biological Use/Importance: Cell adhesion inhibitor
Melting Point: Mp 234°
Optical Rotation: $[\alpha]_D^{20}$ –64.3 ($CHCl_3$)
UV: [neutral] λ_{max} 233 (ε 11700); 234 (); 267 (ε 8400); 269 () (EtOH) (Berdy)
Hazard & Toxicity: BERDY HAZD : LD_{50} (mus, ipr) 2 mg/kg

>>**Derivative:** 25-Ac, 2-*O*-β-D-glucopyranoside
Synonym(s): Elaterinide. Colocynthin. Gratiotoxin

CAS Registry Number: 1398-78-3

Molecular Formula: $C_{38}H_{54}O_{13}$
Molecular Weight: 718.837
Accurate Mass: 718.356445
Percentage Composition: C 63.49%; H 7.57%; O 28.93%
Biological Source: Constit. of *Citrullus lanatus* and *Citrullus colocynthis*
Melting Point: Mp 148-150°
Optical Rotation: $[\alpha]_D^{20}$ –63.5 ($CHCl_3$)
Solubility: BERDY SOL: Sol. EtOH, $CHCl_3$, Me_2CO; fairly sol. Et_2O, H_2O
UV: [neutral] λ_{max} 235 (ε 12900) (EtOH) (Berdy)

>>**Derivative:** 23,24-Dihydro
Synonym(s): 2,16,20,25-Tetrahydroxycucurbita-1,5-diene-3,11,22-trione. 16,20,25-Trihydroxycucurbit-5-ene-2,3,11,22-tetrone. **Cucurbitacin L**

CAS Registry Number: 1110-02-7

Molecular Formula: $C_{30}H_{44}O_7$
Molecular Weight: 516.673
Accurate Mass: 516.308705
Percentage Composition: C 69.74%; H 8.58%; O 21.68%
Biological Source: Constit. of *Citrullus ecirrhosus* and *Citrullus colocynthis*, *Gratiola officinalis* and *Bryonia dioica*
Physical Description: Cryst. + ½H_2O (MeOH aq.)
Melting Point: Mp 122-127°
Optical Rotation: $[\alpha]_D^{28}$ –41 (EtOH)
UV: [neutral] λ_{max} 270 (ε 8050) (EtOH) (Berdy)

>>**Derivative:** 23,24-Dihydro, 2-*O*-β-D-glucopyranoside
Synonym(s): Bryoamaride

CAS Registry Number: 61105-51-9

Molecular Formula: $C_{36}H_{54}O_{12}$
Molecular Weight: 678.815
Accurate Mass: 678.36153
Percentage Composition: C 63.70%; H 8.02%; O 28.28%
Biological Source: Constit. of *Bryonia dioica* and *Citrullus colocynthis*
Melting Point: Mp 228-235°
Optical Rotation: $[\alpha]_D^{20}$ –85.7 (c, 0.82 in EtOH)