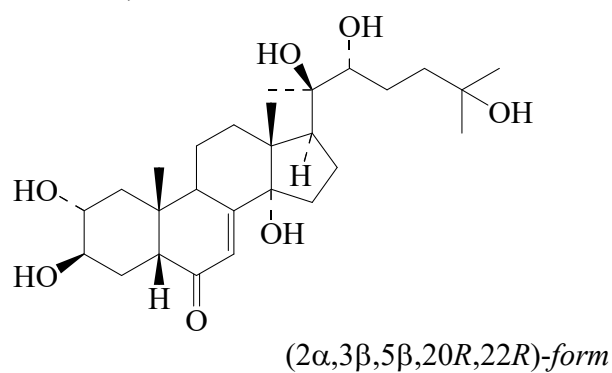




>>Entry Name: 2,3,14,20,22,25-Hexahydroxycholest-7-en-6-one, 9Cl



Related CAS Registry Numbers(s): 35241-82-8

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O<sub>7</sub>

Molecular Weight: 480.64

Accurate Mass: 480.308705

Percentage Composition: C 67.47%; H 9.23%; O 23.30%

>>Variant: (2 $\alpha$ ,3 $\beta$ ,5 $\beta$ ,20*R*,22*R*)-form

Synonym(s): Paristerone

CAS Registry Number: 84580-28-9

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O<sub>7</sub>

Molecular Weight: 480.64

Accurate Mass: 480.308705

Percentage Composition: C 67.47%; H 9.23%; O 23.30%

Biological Source: Constit. of tubers of *Paris polyphylla*

Physical Description: Cryst.

Melting Point: Mp 216-220°

Optical Rotation: [ $\alpha$ ]<sub>D</sub> +41.9

>>Variant: (2 $\beta$ ,3 $\alpha$ ,5 $\beta$ ,20*R*,22*R*)-form

Synonym(s): 3-Epi-20-hydroxyecdysone

CAS Registry Number: 54053-93-9

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O<sub>7</sub>

Molecular Weight: 480.64

Accurate Mass: 480.308705

Percentage Composition: C 67.47%; H 9.23%; O 23.30%

Biological Source: Constit. of the tobacco hornworm *Manduca sexta*

>>Derivative: 2-Ketone

Synonym(s): 3,14,20,22,25-Pentahydroxycholest-7-ene-2,6-dione. 2-Dehydro-3-epi-20-hydroxyecdysone

CAS Registry Number: 220855-34-5

Molecular Formula: C<sub>27</sub>H<sub>42</sub>O<sub>7</sub>

Molecular Weight: 478.625

Accurate Mass: 478.293055

Percentage Composition: C 67.76%; H 8.84%; O 23.40%

Biological Source: Constit. of *Froelichia floridana*

Physical Description: Amorph. powder

UV: [neutral]  $\lambda_{\max}$  242 (log  $\epsilon$  4.11) (MeOH)

>>Variant: (2 $\beta$ ,3 $\beta$ ,5 $\beta$ ,20*R*,22*R*)-form

Synonym(s): Crustecdysone. Commisterone.  $\beta$ -Ecdysone. Ecdysterone. 20-Hydroxy- $\alpha$ -ecdysone. Isoinokosterone. Polypodine A. Viticosterone

CAS Registry Number: 5289-74-7

Molecular Formula: C<sub>27</sub>H<sub>44</sub>O<sub>7</sub>

Molecular Weight: 480.64

Accurate Mass: 480.308705

Percentage Composition: C 67.47%; H 9.23%; O 23.30%

Biological Source: Isol. from sea water crayfish, saturniid oak-silk moth pupae, the silkworm, the wood of *Podocarpus elatus* and in *Polypodium vulgare* and many other plants