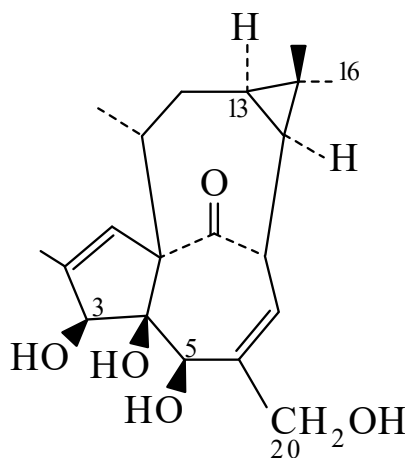




>>Entry Name: Ingenol



CAS Registry Number: 30220-46-3

Related CAS Registry Numbers(s): 52557-28-5 91464-81-2 91464-82-3 91464-83-4

Molecular Formula: $C_{20}H_{28}O_5$

Molecular Weight: 348.438

Accurate Mass: 348.193675

Percentage Composition: C 68.94%; H 8.10%; O 22.96%

Biological Source: Exists as free alcohol and as mono- or di-esters in *Euphorbia* spp.

Physical Description: Resin

Hazard & Toxicity: Esters are highly irritant and carcinogenic

Sigma: I3381

>>Derivative: 3,5,20-Tri-Ac

Molecular Formula: $C_{26}H_{34}O_8$

Molecular Weight: 474.55

Percentage Composition: C 65.81%; H 7.22%; O 26.97%

Physical Description: Cryst.

Melting Point: Mp 195-197°

>>Derivative: 3-Angeloyl

Synonym(s): 3-*O*-Angeloylingenol. Euphorbia factor An₁. Euphorbia factor H₁

CAS Registry Number: 75567-37-2

Molecular Formula: $C_{25}H_{34}O_6$

Molecular Weight: 430.54

Accurate Mass: 430.23554

Percentage Composition: C 69.74%; H 7.96%; O 22.30%

Biological Source: Constit. of *Euphorbia* spp.

>>Derivative: 3-Angeloyl, 20-Ac

Synonym(s): Euphorbia factor Pe₁

CAS Registry Number: 82425-35-2

Molecular Formula: $C_{27}H_{36}O_7$

Molecular Weight: 472.577

Accurate Mass: 472.246105

Percentage Composition: C 68.62%; H 7.68%; O 23.70%

Biological Source: Constit. of *Euphorbia* spp.

Optical Rotation: $[\alpha]_D^{25} +24.9$ (c, 0.13 in $CHCl_3$)

>>Derivative: 3-Angeloyl, 5,20-di-Ac

CAS Registry Number: 88262-86-6