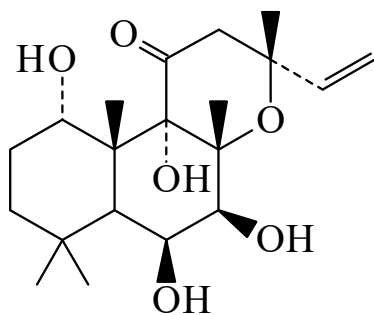




>>Entry Name: 8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one



CAS Registry Number: 66428-84-0

Related CAS Registry Numbers(s): 64657-11-0 112420-42-5 114298-68-9

Molecular Formula: C₂₀H₃₂O₆

Molecular Weight: 368.469

Accurate Mass: 368.21989

Percentage Composition: C 65.19%; H 8.75%; O 26.05%

>>Variant: (1 α ,6 β ,7 β ,8 α ,9 α ,13*R*)-form

CAS Registry Number: 64657-20-1

Molecular Formula: C₂₀H₃₂O₆

Molecular Weight: 368.469

Accurate Mass: 368.21989

Percentage Composition: C 65.19%; H 8.75%; O 26.05%

Biological Source: Constit. of *Coleus forskohlii*

Physical Description: Cryst.

Melting Point: Mp 177-180°

Sigma: D3533

>>Derivative: 6-Ac

Synonym(s): Coleonol B

CAS Registry Number: 64657-21-2

Molecular Formula: C₂₂H₃₄O₇

Molecular Weight: 410.506

Accurate Mass: 410.230455

Percentage Composition: C 64.37%; H 8.35%; O 27.28%

Biological Source: Constit. of *Coleus forskohlii*

Physical Description: Cryst.

Melting Point: Mp 208-210°

Optical Rotation: [α]_D +2.92 (c, 1 in CHCl₃)

Sigma: A9420

>>Derivative: 7-Ac

Synonym(s): Coleonol. Forskolin. **Colforsin**, INN, USAN. Boforsin. HL 362

CAS Registry Number: 66575-29-9

Molecular Formula: C₂₂H₃₄O₇

Molecular Weight: 410.506

Accurate Mass: 410.230455

Percentage Composition: C 64.37%; H 8.35%; O 27.28%

Biological Source: Constit. of *Coleus forskohlii*

Biological Use/Importance: Potassium channel (K_v) blocker. Antihypertensive agent used to treat glaucoma

Physical Description: Cryst.

Melting Point: Mp 230-232°

Optical Rotation: [α]_D²⁵ -26.2 (c, 1.68 in CHCl₃)

Solubility: BERDY SOL: Sol. MeOH, C₆H₆; poorly sol. H₂O, hexane

Calculated Log P Data: Log P 1.08 (calc)

UV: [neutral] $\lambda_{\max}$ 0 (end) (ϵ) (MeOH) (Derep)

Fluka: 47735

Sigma: F3917