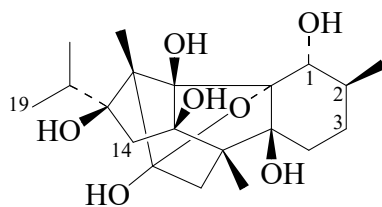




>>Entry Name: Cinnzeylanol

Synonym(s): 3-Deoxyryanodol



CAS Registry Number: 62394-04-1

Molecular Formula: $C_{20}H_{32}O_7$

Molecular Weight: 384.469

Accurate Mass: 384.214805

Percentage Composition: C 62.48%; H 8.39%; O 29.13%

Biological Source: Constit. of the dried bark of *Cinnamomum zeylanicum* and of *Cinnamomum cassia*

Biological Use/Importance: Shows insecticidal props.

Physical Description: Cryst. (EtOAc/ C_6H_6)

Melting Point: Mp 278-279°

Optical Rotation: $[\alpha]_D^{26} +60.8$ (c, 1.3 in MeOH)

>>Derivative: 1-Ac

Synonym(s): Cinnzeylanine

CAS Registry Number: 62203-47-8

Molecular Formula: $C_{22}H_{34}O_8$

Molecular Weight: 426.506

Accurate Mass: 426.22537

Percentage Composition: C 61.96%; H 8.03%; O 30.01%

Biological Source: Constit. of *Cinnamomum zeylanicum* and *Cinnamomum cassia*

Biological Use/Importance: Shows insecticidal props.

Physical Description: Cryst. (EtOAc/ C_6H_6)

Melting Point: Mp 265-267°

Optical Rotation: $[\alpha]_D^{27} +45$ (c, 2 in MeOH)

>>Derivative: 19-Hydroxy

Synonym(s): Cincassiol B

CAS Registry Number: 73599-13-0

Molecular Formula: $C_{20}H_{32}O_8$

Molecular Weight: 400.468

Accurate Mass: 400.20972

Percentage Composition: C 59.98%; H 8.05%; O 31.96%

Biological Source: Constit. of *Cinnamomum cassia*

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{17} +22.7$ (c, 0.44 in MeOH)

>>Derivative: 19-Hydroxy, 19- β -D-glucopyranoside

Molecular Formula: $C_{26}H_{42}O_{13}$

Molecular Weight: 562.61

Accurate Mass: 562.262545

Percentage Composition: C 55.51%; H 7.52%; O 36.97%

Biological Source: Isol. from *Cinnamomum cassia*

Physical Description: Powder

Optical Rotation: $[\alpha]_D^{16} -20$ (c, 0.15 in MeOH)

References:

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Yagi, A. *et al.*, *Chem. Pharm. Bull.*, 1980, **28**, 1432

Nohara, T. *et al.*, *Chem. Pharm. Bull.*, 1980, **28**, 2682, (*Cincassiol B*)