



Percentage Composition: C 57.92%; H 5.05%; O 37.03%

Biological Source: Constit. of *Aloe succotrina*

>>**Derivative:** 7-Hydroxy, 8-Me ether

Synonym(s): 7-Hydroxy-8-*O*-methylaloin B

Molecular Formula: C₂₂H₂₄O₁₀

Molecular Weight: 448.426

Accurate Mass: 448.13695

Percentage Composition: C 58.93%; H 5.39%; O 35.68%

Biological Source: Constit. of leaves of *Aloe vera*

Physical Description: Amorph. yellowish solid

Optical Rotation: $[\alpha]_D^{25} -0.7$ (c, 0.1 in MeOH)

UV: [neutral] $\lambda_{\max}$ 204 (log ϵ 4.4); 221 (log ϵ 4.35); 294 (log ϵ 4.09); 345 (log ϵ 3.82) (MeOH)

>>**Derivative:** 1"-Deoxy, 6-hydroxy, 8-*O*- β -D-glucopyranoside

Synonym(s): Cascaroside F

CAS Registry Number: 164322-83-2

Molecular Formula: C₂₇H₃₂O₁₄

Molecular Weight: 580.541

Accurate Mass: 580.17921

Percentage Composition: C 55.86%; H 5.56%; O 38.58%

Biological Source: Constit. of cascara sagrada *Rhamnus purshiana* bark

Melting Point: Mp 176-178°

Optical Rotation: $[\alpha]_D^{25} -69.5$ (c, 0.1 in MeOH)

>>**Variant:** (10*S*)-form

Synonym(s): Aloin A

CAS Registry Number: 1415-73-2

Molecular Formula: C₂₁H₂₂O₉

Molecular Weight: 418.399

Accurate Mass: 418.126385

Percentage Composition: C 60.28%; H 5.30%; O 34.42%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 148° (block)