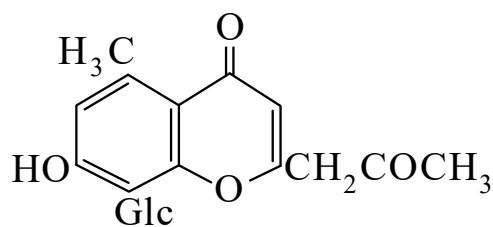




>>Entry Name: Aloesin

Synonym(s): 8-β-D-Glucopyranosyl-7-hydroxy-5-methyl-2-(2-oxopropyl)-4H-1-benzopyran-4-one, 9Cl. 2-Acetyl-8-glucopyranosyl-7-hydroxy-5-methylchromone. Aloeresin B



CAS Registry Number: 30861-27-9

Molecular Formula: C₁₉H₂₂O₉

Molecular Weight: 394.377

Accurate Mass: 394.126385

Percentage Composition: C 57.87%; H 5.62%; O 36.51%

Biological Source: Found in various *Aloe* spp., e.g. *Aloe saponaria* and *Aloe arborescens*

Physical Description: Pale yellow powder (EtOAc)

Melting Point: Mp 143-145°

Optical Rotation: [α]_D²⁵+59.2 (c, 0.23 in EtOH)

>>Derivative: 2,4-Dinitrophenylhydrazone

CAS Registry Number: 30901-45-2

Physical Description: Cryst. (EtOH)

Melting Point: Mp 172-173°

>>Derivative: Penta-Ac

CAS Registry Number: 30861-28-0

Molecular Formula: C₂₉H₃₂O₁₄

Molecular Weight: 604.563

Percentage Composition: C 57.61%; H 5.33%; O 37.05%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 220-223°

>>Derivative: 2'-O-Tigloyl

Molecular Formula: C₂₄H₂₈O₁₀

Molecular Weight: 476.479

Accurate Mass: 476.16825

Percentage Composition: C 60.50%; H 5.92%; O 33.58%

Biological Source: Constit. of *Aloe cremnophila* and *Aloe jacksonii*

Physical Description: Amorph.

>>Derivative: 2'-O-Cinnamoyl

Synonym(s): Aloeresin F

CAS Registry Number: 182754-88-7

Molecular Formula: C₂₈H₂₈O₁₀

Molecular Weight: 524.523

Accurate Mass: 524.16825

Percentage Composition: C 64.12%; H 5.38%; O 30.50%

Biological Source: Constit. of *Aloe peglerae*

Physical Description: Amorph. solid

Optical Rotation: [α]_D²⁰-120 (c, 0.8 in MeOH)