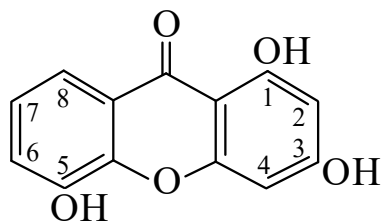




>>Entry Name: 1,3,5-Trihydroxyxanthone

Synonym(s): 1,3,5-Trihydroxy-9*H*-xanthen-9-one, 9Cl



CAS Registry Number: 6732-85-0

Molecular Formula: C₁₃H₈O₅

Molecular Weight: 244.203

Accurate Mass: 244.037175

Percentage Composition: C 63.94%; H 3.30%; O 32.76%

Biological Source: Constit. of the heartwood of *Allanblackia floribunda*

Physical Description: Powder (CHCl₃/MeOH) passing into cubes at 240°

Melting Point: Mp 255°. Mp 296-300 302-305° dec.°

Boiling Point: Bp_{0.1} 170° subl.

UV: [neutral] λ_{max} 245 (); 314 (); 338 () (EtOH) (Berdy)

>>Derivative: Tri-Ac

Molecular Formula: C₁₉H₁₄O₈

Molecular Weight: 370.315

Accurate Mass: 370.06887

Percentage Composition: C 61.63%; H 3.81%; O 34.56%

Physical Description: Rectangular plates (EtOH)

Melting Point: Mp 204°

>>Derivative: 1-Me ether

Synonym(s): 3,5-Dihydroxy-1-methoxyxanthone

CAS Registry Number: 61243-72-9

Molecular Formula: C₁₄H₁₀O₅

Molecular Weight: 258.23

Accurate Mass: 258.052825

Percentage Composition: C 65.12%; H 3.90%; O 30.98%

Biological Source: Constit. of *Canscora decussata*

Physical Description: Light brown needles (MeOH)

Melting Point: Mp 355-357°

>>Derivative: 1-Me ether, 3-*O*-[α-L-rhamnopyranosyl-(1→6)-β-D-glucopyranoside]

Molecular Formula: C₂₆H₃₀O₁₅

Molecular Weight: 582.514

Accurate Mass: 582.158475

Percentage Composition: C 53.61%; H 5.19%; O 41.20%

Source/Synthesis: Constit. of *Canscora decussata*

Physical Description: Needles

Melting Point: Mp 252-255°

>>Derivative: 3-Me ether

Synonym(s): 1,5-Dihydroxy-3-methoxyxanthone. **Mesuaxanthone A**

CAS Registry Number: 3561-81-7

Molecular Formula: C₁₄H₁₀O₅

Molecular Weight: 258.23

Accurate Mass: 258.052825

Percentage Composition: C 65.12%; H 3.90%; O 30.98%

Biological Source: Found in *Kielmeyera* spp. and *Mesua ferrea*

Physical Description: Yellow plates (MeOH)

Melting Point: Mp 269-271°