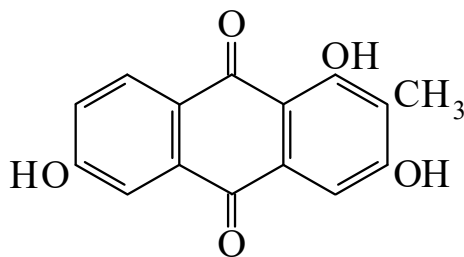




>>Entry Name: 1,3,6-Trihydroxy-2-methylantraquinone

Synonym(s): 1,3,6-Trihydroxy-2-methyl-9,10-anthracenedione, 9Cl. 6-Hydroxyrubiadin



CAS Registry Number: 87686-86-0

Molecular Formula: C₁₅H₁₀O₅

Molecular Weight: 270.241

Accurate Mass: 270.052825

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Biological Source: Constit. of dried roots of *Rubia cordifolia*

Physical Description: Yellowish needles (MeOH)

Melting Point: Mp 236-238°

UV: [neutral] λ_{max} 284 (ε 42900); 321 (ε 6600); 424 (ε 6700) (MeOH) (Berdy)

>>Derivative: 3-O-β-D-Glucopyranoside

CAS Registry Number: 125906-49-2

Molecular Formula: C₂₁H₂₀O₁₀

Molecular Weight: 432.383

Accurate Mass: 432.10565

Percentage Composition: C 58.34%; H 4.66%; O 37.00%

Biological Source: Constit. of *Rubia cordifolia*

Physical Description: Yellow powder (MeOH)

Melting Point: Mp 270-272°

>>Derivative: 3-O-α-Rhamnosyl-(1→2)-β-glucoside

CAS Registry Number: 87686-88-2

Molecular Formula: C₂₇H₃₀O₁₄

Molecular Weight: 578.526

Accurate Mass: 578.16356

Percentage Composition: C 56.06%; H 5.23%; O 38.72%

Biological Source: Constit. of *Rubia cordifolia* and *Rubia akane*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 243-245°

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O, hexane

UV: [neutral] λ_{max} 272 (ε 19200); 304 (ε 5900); 408 (ε 6000) (MeOH) (Berdy)

>>Derivative: 3-O-[3-O-Acetyl-α-L-rhamnopyranosyl-(1→2)-β-D-glucopyranoside]

CAS Registry Number: 125906-50-5

Molecular Formula: C₂₉H₃₂O₁₅

Molecular Weight: 620.563

Accurate Mass: 620.174125

Percentage Composition: C 56.13%; H 5.20%; O 38.67%

Biological Source: Constit. of *Rubia cordifolia*

Physical Description: Yellow powder (MeOH)

Melting Point: Mp 216-218°