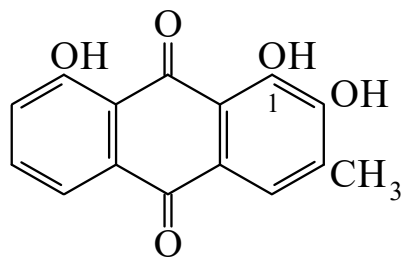




>>Entry Name: 1,2,8-Trihydroxy-3-methylanthraquinone

Synonym(s): Norobtusifolin. 2-Hydroxychrysophanol. 1,2,8-Trihydroxy-3-methyl-9,10-anthracenedione, 9CI



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 *Myrsine africana* root

Physical Description: Orange-red needles (MeOH)

Melting Point: Mp 265° (255°)

>>Derivative: 1-Me ether

Synonym(s): 2,8-Dihydroxy-1-methoxy-3-methylanthraquinone. **Obtusifolin**‡

CAS Registry Number: 477-85-0

Molecular Formula: C₁₆H₁₂O₅

Molecular Weight: 284.268

Accurate Mass: 284.068475

Percentage Composition: C 67.60%; H 4.25%; O 28.14%

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 237-238°

Other Data: Not the same as Obtusifolin [BFP17-Y](#)

>>Derivative: 1-Me ether, di-Ac

Molecular Formula: C₂₀H₁₆O₇

Molecular Weight: 368.342

Accurate Mass: 368.089605

Percentage Composition: C 65.22%; H 4.38%; O 30.41%

Physical Description: Light yellow needles

Melting Point: Mp 187-188°

>>Derivative: 1-Me ether, 2-O-β-D-glucopyranoside

Synonym(s): **Glucoobtusifolin**

CAS Registry Number: 120163-18-0

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Use/Importance: Platelet aggregation inhibitor

Physical Description: Cryst + 1H₂O

Melting Point: Mp 205-206°