



>>Derivative: 2,3-Di-Me ether

Synonym(s): 1,2,8-Trihydroxy-6,7-dimethoxy-3-methylanthraquinone. 1-De-*O*-methylobtusin

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Physical Description: Orange needles

Melting Point: Mp 260-263°

>>Derivative: 2,8-Di-Me ether

Synonym(s): 1,3,7-Trihydroxy-2,8-dimethoxy-6-methylanthraquinone. **Aurantioobtusin**

CAS Registry Number: 67979-25-3

Molecular Formula: C₁₇H₁₄O₇

Molecular Weight: 330.293

Accurate Mass: 330.073955

Percentage Composition: C 61.82%; H 4.27%; O 33.91%

Physical Description: Orange needles

Melting Point: Mp 265-266°

>>Derivative: 2,8-Di-Me ether, 3-*O*-β-D-glucopyranoside

Synonym(s): **Glucoaurantioobtusin**

Molecular Formula: C₂₃H₂₄O₁₂

Molecular Weight: 492.435

Accurate Mass: 492.12678

Percentage Composition: C 56.10%; H 4.91%; O 38.99%

Physical Description: Light-yellow cryst.

Melting Point: Mp 242-243°

>>Derivative: 1,2,3-Tri-Me ether

Synonym(s): 1,2-Dihydroxy-6,7,8-trimethoxy-3-methylanthraquinone. 1-De-*O*-methylchrysoobtusin

Molecular Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

Accurate Mass: 344.089605

Percentage Composition: C 62.79%; H 4.68%; O 32.53%

Physical Description: Orange-red needles

Melting Point: Mp 211-212.5°

>>Derivative: 2,3,8-Tri-Me ether

Synonym(s): 1,7-Dihydroxy-2,3,8-trimethoxy-6-methylanthraquinone. **Obtusin**‡

CAS Registry Number: 70588-05-5

Molecular Formula: C₁₈H₁₆O₇

Molecular Weight: 344.32

Accurate Mass: 344.089605

Percentage Composition: C 62.79%; H 4.68%; O 32.53%

Physical Description: Yellowish-brown needles

Melting Point: Mp 242-243°

Other Data: See also Obtusin [BBP04-Q](#)