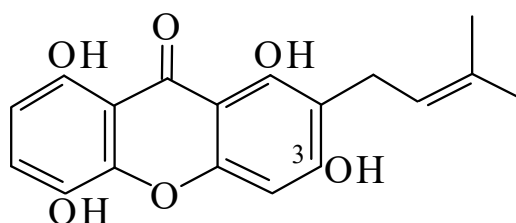




>>Entry Name: 1,3,5,8-Tetrahydroxy-2-prenylxanthone

Synonym(s): 1,3,5,8-Tetrahydroxy-2-(3-methyl-2-butenyl)xanthone. **Morusignin B**



CAS Registry Number: 127716-76-1

Molecular Formula: C₁₈H₁₆O₆

Molecular Weight: 328.321

Accurate Mass: 328.09469

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Biological Source: Constit. of *Morus insignis*

Physical Description: Yellow needles (hexane/Me₂CO)

Melting Point: Mp 259-261°

>>Derivative: 3-Me ether

Synonym(s): 1,5,8-Trihydroxy-3-methyl-2-prenylxanthone

CAS Registry Number: 110187-11-6

Molecular Formula: C₁₉H₁₈O₆

Molecular Weight: 342.348

Accurate Mass: 342.11034

Percentage Composition: C 66.66%; H 5.30%; O 28.04%

Biological Source: Constit. of *Garcinia mangostana*

Physical Description: Cryst.

Melting Point: Mp 193-195°

>>Derivative: 3,5-Di-Me ether

Synonym(s): 1,8-Dihydroxy-3,5-dimethoxy-2-prenylxanthone

CAS Registry Number: 132031-40-4

Molecular Formula: C₂₀H₂₀O₆

Molecular Weight: 356.374

Accurate Mass: 356.12599

Percentage Composition: C 67.41%; H 5.66%; O 26.94%

Biological Source: Constit. of *Garcinia mangostana*

Physical Description: Yellow needles (MeOH)

Melting Point: Mp 178-181°

References:

Perveen, M. *et al.*, *Phytochemistry*, 1988, **27**, 3695

Hano, Y. *et al.*, *Heterocycles*, 1990, **31**, 1345, (*Morusignin B*)

Bennett, G.J. *et al.*, *J.C.S. Perkin 1*, 1990, 2671