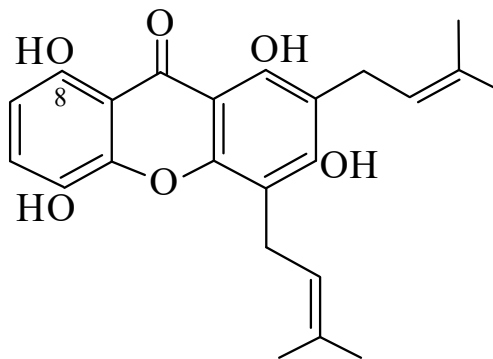




>>Entry Name: **1,3,5,8-Tetrahydroxy-2,4-diprenylxanthone**

Synonym(s): 1,3,5,8-Tetrahydroxy-2,4-bis(3-methyl-2-butenyl)-9*H*-xanthen-9-one, 9Cl. **Gartanin**



CAS Registry Number: 33390-42-0

Molecular Formula: C₂₃H₂₄O₆

Molecular Weight: 396.439

Accurate Mass: 396.15729

Percentage Composition: C 69.68%; H 6.10%; O 24.21%

Biological Source: Constit. of the fruits of *Garcinia mangostana*

Physical Description: Yellow needles

Melting Point: Mp 167°

UV: [neutral] λ_{max} 259 (ε 19950); 284 (ε 24000); 351 (ε 11200) (EtOH) (Berdy)

References:

Govindachari, T.R. *et al.*, *Tetrahedron*, 1971, **27**, 3919, (*isol, struct*)

Anand, S.M. *et al.*, *Aust. J. Chem.*, 1974, **27**, 1515, (*synth*)

Gujral, V. *et al.*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 3679, (*synth*)