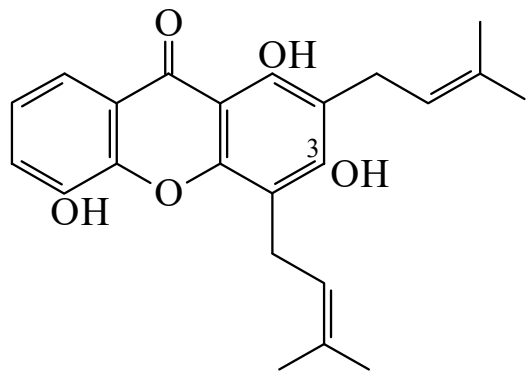
>>**Entry Name: 1,3,5-Trihydroxy-2,4-diprenylxanthone**
Synonym(s): 1,3,5-Trihydroxy-2,4-bis(3-methyl-2-butenyl)-9*H*-xanthen-9-one. **8-Desoxygartanin**



CAS Registry Number: 33390-41-9

Molecular Formula: $C_{23}H_{24}O_5$
Molecular Weight: 380.44
Accurate Mass: 380.162375
Percentage Composition: C 72.61%; H 6.36%; O 21.03%
Biological Source: Isol. from *Garcinia mangostana* and *Clusia* spp.
Physical Description: Yellow needles (C_6H_6/hexane)
Melting Point: Mp 165.5°
Solubility: BERDY SOL: Sol. H_2O; poorly sol. Me_2CO, hexane
UV: [neutral] λ_{max} 264 () (MeOH) (Berdy) [neutral] λ_{max} 264 (E1%/1cm 495) (H_2O) (Berdy) [acid] λ_{max} 264 () (HCl) (Berdy)

>>**Derivative:** 3-Me ether
Synonym(s): 1,5-Dihydroxy-3-methoxy-2,4-diprenylxanthone. **Cudraxanthone G**

CAS Registry Number: 130774-35-5

Molecular Formula: $C_{24}H_{26}O_5$
Molecular Weight: 394.466
Accurate Mass: 394.178025
Percentage Composition: C 73.08%; H 6.64%; O 20.28%
Biological Source: Constit. of *Cudrania tricuspidata*
Physical Description: Yellow prisms (hexane)
Melting Point: Mp 129-131°

>>**Derivative:** 3,5-Di-Me ether
Synonym(s): 1-Hydroxy-3,5-dimethoxy-2,4-diprenylxanthone. 3,5-Di-*O*-methyl-8-deoxygartanin

CAS Registry Number: 35323-84-3

Molecular Formula: $C_{25}H_{28}O_5$
Molecular Weight: 408.493
Accurate Mass: 408.193675
Percentage Composition: C 73.51%; H 6.91%; O 19.58%
Biological Source: Constit. of *Garcinia mangostana*
Physical Description: Yellow needles (MeOH)
Melting Point: Mp 117-118° (106-108°)

>>**Derivative:** Tri-Me ether
Synonym(s): 1,3,5-Trimethoxy-2,4-diprenylxanthone

CAS Registry Number: 54254-64-7
Molecular Formula: $C_{26}H_{30}O_5$
Molecular Weight: 422.52
Accurate Mass: 422.209325
Percentage Composition: C 73.91%; H 7.16%; O 18.93%
Use/Importance: Needles (MeOH)
Physical Description: 128-129

References:

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Bennett, G.J. *et al.*, *J.C.S. Perkin 1*, 1990, 2671, *(isol, deriv)*
Hano, Y. *et al.*, *Planta Med.*, 1990, **56**, 399, *(deriv)*
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