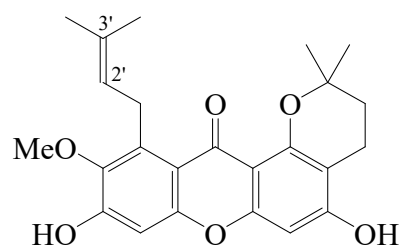




>>Entry Name: 1-Isomangostin



CAS Registry Number: 19275-44-6

Related CAS Registry Numbers(s): 110558-92-4

Molecular Formula: C₂₄H₂₆O₆

Molecular Weight: 410.466

Accurate Mass: 410.17294

Percentage Composition: C 70.23%; H 6.38%; O 23.39%

Biological Source: Constit. of *Garcinia mangostana*

Melting Point: Mp 245-249°

UV: [neutral] $\lambda_{\max}$ 244 (ϵ 38000); 254 (ϵ 33100); 307 (ϵ 24550); 345 (ϵ 10700) (EtOH) (Berdy)

>>**Derivative:** 2',3'-Dihydro, 3'-hydroxy

Synonym(s): 1-Isomangostin hydrate

CAS Registry Number: 26063-95-6

Molecular Formula: C₂₄H₂₈O₇

Molecular Weight: 428.481

Accurate Mass: 428.183505

Percentage Composition: C 67.28%; H 6.59%; O 26.14%

Biological Source: Constit. of *Garcinia mangostana*

Physical Description: Cryst. (CH₂Cl₂)

Melting Point: Mp 261-263° (255-257°)

Other Data: Incorrectly named in CA

References:

Mahabusarakam, W. *et al.*, *J. Nat. Prod.*, 1987, **50**, 474, (*isol*, *pmr*)