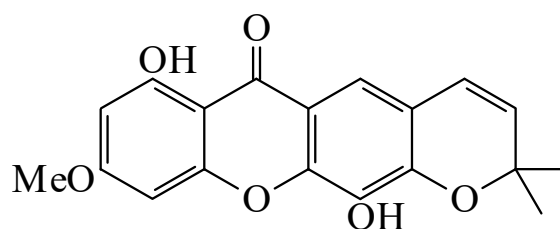




>>Entry Name: Forbexanthone

Synonym(s): 7,12-Dihydroxy-9-methoxy-2,2-dimethyl-2*H*,6*H*-pyrano[3,2-*b*]xanthen-6-one, 9CI



CAS Registry Number: 150527-30-3

Molecular Formula: C₁₉H₁₆O₆

Molecular Weight: 340.332

Accurate Mass: 340.09469

Percentage Composition: C 67.05%; H 4.74%; O 28.21%

Biological Source: Constit. of *Garcinia forbesii*

Physical Description: Yellow needles (EtOAc/hexane)

Melting Point: Mp 222°

>>Derivative: Demethoxy

Synonym(s): Rheediachromenoxanthone

CAS Registry Number: 82667-93-4

Molecular Formula: C₁₈H₁₄O₅

Molecular Weight: 310.306

Accurate Mass: 310.084125

Percentage Composition: C 69.67%; H 4.55%; O 25.78%

Biological Source: Constit. of *Rheedia gardneriana*

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 223-224°

>>Derivative: *O*-De-Me

Synonym(s): *O*-Demethylforbexanthone

CAS Registry Number: 92609-77-3

Molecular Formula: C₁₈H₁₄O₆

Molecular Weight: 326.305

Accurate Mass: 326.07904

Percentage Composition: C 66.26%; H 4.32%; O 29.42%

Biological Source: Constit. of *Rheedia brasiliensis*

Physical Description: Cryst. (CHCl₃/MeOH)

Melting Point: Mp 315°

UV: [neutral] λ_{max} 273 (log ε 4.46); 330 (log ε 3.95); 366 (sh) (log ε 3.72) (MeOH)

References:

- Delle Monache, G. *et al.*, *Phytochemistry*, 1983, **46**, 655, (*Rheediachromenoxanthone*)
Delle Monache, G. *et al.*, *J. Nat. Prod.*, 1984, **47**, 620-625, (*O*-Demethylforbexanthone)
Harrison, L.J. *et al.*, *Phytochemistry*, 1993, **33**, 727, (*Forbexanthone*)