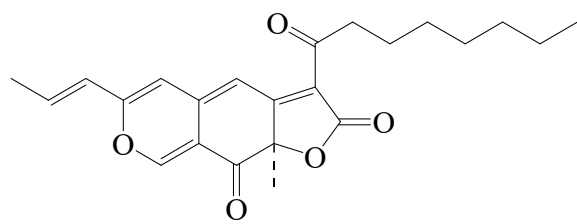




>>Entry Name: Monascorubrin



Absolute configuration

CAS Registry Number: 13283-90-4

Molecular Formula: C₂₃H₂₆O₅

Molecular Weight: 382.455

Accurate Mass: 382.178025

Percentage Composition: C 72.23%; H 6.85%; O 20.92%

Biological Source: Fungal pigment from *Monascus* spp.

Physical Description: Orange-red needles (EtOH)

Melting Point: Mp 142-143 dec.°

Optical Rotation: [α]_D -3320 (c, 0.05 in CHCl₃)

UV: [neutral] $\lambda_{\max}$ 244 (sh) (log ϵ 4.1); 286 (log ϵ 3.98); 416 (log ϵ 4.26); 470 (log ϵ 4.43) (EtOH) [neutral] $\lambda_{\max}$ 286 (ϵ 9700); 416 (ϵ 18200); 470 (ϵ 27000) (EtOH) (Berdy)

References:

Kumasaki, S. *et al.*, *Tetrahedron*, 1962, **18**, 1171, (*isol, struct, deriv*)

Hadfield, J.R. *et al.*, *J.C.S.(C)*, 1967, 751, (*biosynth*)

Whalley, W.B. *et al.*, *J.C.S. Perkin I*, 1976, 1366, (*abs config*)