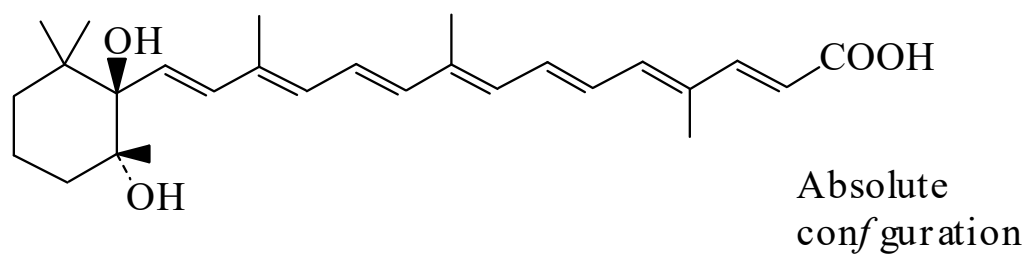




>>Entry Name: Azafrin

Synonym(s): 5,6-Dihydro-5,6-dihydroxy-10'-apo- β -caroten-10'-oic acid. Escobedin



CAS Registry Number: 507-61-9

Molecular Formula: $C_{27}H_{38}O_4$

Molecular Weight: 426.595

Accurate Mass: 426.27701

Percentage Composition: C 76.02%; H 8.98%; O 15.00%

Biological Source: Constit. of *Escobedia* spp.. Also from rhizomes of *Christisonia bicolor* and *Alectra parasitica*

Physical Description: Orange-red cryst. (Me_2CO /toluene)

Melting Point: Mp 213-214°

Optical Rotation: $[\alpha]_{Hg}^{20} -75.5$ (EtOH)

>>Derivative: 10'-Aldehyde

Synonym(s): Azafrinaldehyde

CAS Registry Number: 57951-40-3

Molecular Formula: $C_{27}H_{38}O_3$

Molecular Weight: 410.595

Accurate Mass: 410.282095

Percentage Composition: C 78.98%; H 9.33%; O 11.69%

Biological Source: Isol. from roots of *Escopedia scabrifolia*

Physical Description: Violet cryst. (CH_2Cl_2 /heptane)

Melting Point: Mp 185°

References:

Winterstein, A. *et al.*, *Chem. Ber.*, 1960, **93**, 2951, (*Azafrinaldehyde*)

Weedon, B.C.L., *Pure Appl. Chem.*, 1973, **35**, 113, (*synth*)

Vogeli, U. *et al.*, *Helv. Chim. Acta*, 1975, **58**, 2044, (*struct*)

Moss, G.P., *Pure Appl. Chem.*, 1976, **47**, 97, (*cmr*)

Eschenmoser, W. *et al.*, *Helv. Chim. Acta*, 1978, **61**, 822; 1982, **65**, 353, (*struct, abs config, pmr, cd*)