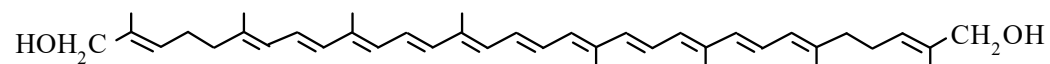




>>Entry Name: Lycophyll

Synonym(s): ψ,ψ -Carotene-16,16'-diol. 16,16'-Dihydroxylycopene



CAS Registry Number: 19891-75-9

Molecular Formula: $C_{40}H_{56}O_2$

Molecular Weight: 568.881

Accurate Mass: 568.42803

Percentage Composition: C 84.45%; H 9.92%; O 5.62%

Biological Source: Constit. of Solanaceae spp. eg. *Solanum dulcamara* and *Lycopersicon esculentum* and also prod. by *Chromatium minutissimum*

Physical Description: Violet-red cryst. (C_6H_6 /MeOH)

Melting Point: Mp 191°

>>Derivative: Deoxy

Synonym(s): Lycoxanthin. ψ,ψ -Caroten-16-ol. 16-Hydroxylycopene. Lycopen-16-ol

CAS Registry Number: 19891-74-8

Molecular Formula: $C_{40}H_{56}O$

Molecular Weight: 552.882

Accurate Mass: 552.433115

Percentage Composition: C 86.90%; H 10.21%; O 2.89%

Biological Source: Isol. from fungi, bacteria and plants in the Solanaceae

Physical Description: Red-brown cryst. (Et_2O /petrol)

Melting Point: Mp 170°

References:

Kelly, M. *et al.*, *Acta Chem. Scand.*, 1971, **25**, 1607, (*stereochem*)

Kj}osen, H. *et al.*, *Acta Chem. Scand.*, 1972, **26**, 4121, (*isol, synth*)