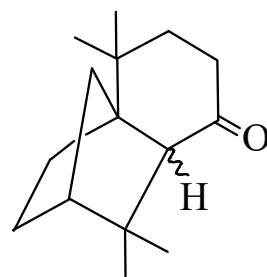




>>Entry Name: Isolongifolanone

Synonym(s): Hexahydro-1,1,5,5-tetramethyl-2*H*-2,4*a*-methano-8(5*H*)-naphthalenone, 9CI



CAS Registry Number: 23787-90-8

Related CAS Registry Numbers(s): 26839-51-0 26839-72-5 57456-74-3 122743-47-9

Molecular Formula: C₁₅H₂₄O

Molecular Weight: 220.354

Accurate Mass: 220.182715

Percentage Composition: C 81.76%; H 10.98%; O 7.26%

Use/Importance: Perfumery ingredient

Boiling Point: Bp_{1,3} 107-110°

Other Data: Mixture of isomers

>>Derivative: Ethylene acetal

Synonym(s): Hexahydro-1',1',5',5'-tetramethylspiro[1,3-dioxolane-2,8'(5'*H*)-[2*H*-2,4*a*]methanonaphthalene]. Ysamber K

Extra CAS Registry Numbers(s): 151691-86-0 151765-38-7

Molecular Formula: C₁₇H₂₈O₂

Molecular Weight: 264.407

Accurate Mass: 264.20893

Percentage Composition: C 77.22%; H 10.67%; O 12.10%

Use/Importance: Fragrance ingredient with an ambery aroma

References:

Patnekar, S.G. *et al.*, *Tetrahedron*, 1967, **23**, 919-925, (*synth*)

Mehta, G. *et al.*, *Tet. Lett.*, 1973, 497-498, (*stereochem*)

Eur. Pat., 1993, 543 470; *CA*, **120**, 54744k, (*ethylene acetal*)