



>>Entry Name: 3,4-Dihydro-6-hydroxy-1(2H)-naphthalenone, 9CI

Synonym(s): 6-Hydroxy-1-tetralone

CAS Registry Number: 3470-50-6

Related CAS Registry Numbers(s): 79131-07-0

Structure by analogy with 3,4-Dihydro-5-hydroxy-1(2H)-naphthalenone, [KHZ36-K](#)

Molecular Formula: C₁₀H₁₀O₂

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Melting Point: Mp 150-152°

Rare Chemicals Library: S89450-8

>>Derivative: Me ether

Synonym(s): 3,4-Dihydro-6-methoxy-1(2H)-naphthalenone. 6-Methoxy-1-tetralone

CAS Registry Number: 1078-19-9

Molecular Formula: C₁₁H₁₂O₂

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Use/Importance: Photosensitiser for photohardenable printing ink. Used in synth. of Estrane [HHP70-L](#) and 19-norsteroids

Physical Description: Cryst. (MeOH or petrol)

Melting Point: Mp 80°

Boiling Point: Bp₁₁ 171°. Bp₁ 135-139°

Aldrich: M2558-9

Fluka: 65360

Sigma: M8130

References:

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Durden, J.A., *J. Agric. Food Chem.*, 1971, **19**, 432, (*synth*)
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