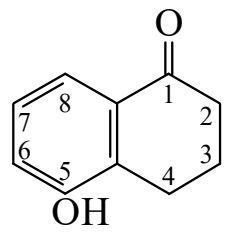
>>**Entry Name: 3,4-Dihydro-5-hydroxy-1(2*H*)-naphthalenone,** 9CI
Synonym(s): 5-Hydroxy-1-tetralone



CAS Registry Number: 28315-93-7

Molecular Formula: $C_{10}H_{10}O_2$
Molecular Weight: 162.188
Accurate Mass: 162.06808
Percentage Composition: C 74.06%; H 6.21%; O 19.73%
Use/Importance: Fluorimetric reagent for hexoses; used in detn. of blood sugar
Physical Description: Light yellow cryst. (Et_2O)
Melting Point: Mp 209-211° (206°)

Aldrich: 21997-5
Fluka: 56505
Sigma: H7627

>>**Derivative:** Hydrazone

Physical Description: Cryst. (H_2O)
Melting Point: Mp 188-189°

>>**Derivative:** Me ether
Synonym(s): 3,4-Dihydroxy-5-methoxy-1(2*H*)-naphthalenone, 9CI. 5-Methoxy-1-tetralone

CAS Registry Number: 33892-75-0
Molecular Formula: $C_{11}H_{12}O_2$
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 steroid synth.
Physical Description: Plates (petrol)
Melting Point: Mp 92-93° (87-89°)
Boiling Point: Bp_7 160-162°

Aldrich: 11311-5
Fluka: 65354

>>**Derivative:** Me ether, semicarbazone

Melting Point: Mp 249-250°

References:

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