>>**Entry Name: 4-Octylphenol,** 9CI

CAS Registry Number: 1806-26-4
Related CAS Registry Numbers(s): 67367-11-7

Molecular Formula: $C_{14}H_{22}O$
Molecular Weight: 206.327
Accurate Mass: 206.167065
Percentage Composition: C 81.50%; H 10.75%; O 7.75%
Physical Description: Needles (petrol)
Melting Point: Mp 44.5°
Boiling Point: Bp_{10} 169°. Bp_4 150°. Bp_1 134°
Density: d 0.96

Aldrich: 38444-5
Rare Chemicals Library: S55835-4

>>**Derivative:** Benzoyl

CAS Registry Number: 89202-50-6
Physical Description: Cryst. (EtOH)
Melting Point: Mp 40.5°

>>**Derivative:** 4-Nitrobenzoyl

CAS Registry Number: 94910-30-2
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 81.5°

>>**Derivative:** 3,5-Dinitrobenzoyl

Melting Point: Mp 91°

>>**Derivative:** Me ether
Synonym(s): 1-Methoxy-4-octylbenzene

CAS Registry Number: 3307-19-5
Molecular Formula: $C_{15}H_{24}O$
Molecular Weight: 220.354
Accurate Mass: 220.182715
Percentage Composition: C 81.76%; H 10.98%; O 7.26%
Melting Point: Mp 17-17.5°
Boiling Point: $Bp_{1.5}$ 110-111.5°
Refractive Index: n_D^{20} 1.4929

>>**Derivative:** 3',4'-Didehydro(*E*-)
Synonym(s): 4-(3-Octenyl)phenol. **Gibbilimbol D**

CAS Registry Number: 211806-97-2
Molecular Formula: $C_{14}H_{20}O$
Molecular Weight: 204.311
Accurate Mass: 204.151415
Percentage Composition: C 82.30%; H 9.87%; O 7.83%
Biological Source: Constit. of *Piper gibbilimbum*
Biological Use/Importance: Cytotoxic and antibacterial agent
Physical Description: Oil
UV: [neutral] λ_{max} 224 (log ε 3.86); 279 (log ε 3.21) (MeOH) [neutral] λ_{max} 224 (ε 7720); 279 (ε 1680) (MeOH) (Berdy)

>>**Derivative:** 4',5'-Didehydro(*E*–)
Synonym(s): 4-(4-Octenyl)phenol. **Gibbilimbol C**

CAS Registry Number: 211806-95-0