



Solubility: Sol. CHCl₃; v. sol. EtOH; mod. sol. hot H₂O

>> **Derivative:** Benzoyl

Synonym(s): *N*-1-Naphthalenylbenzamide, 9Cl

CAS Registry Number: 634-42-4

Molecular Formula: C₁₇H₁₃NO

Molecular Weight: 247.296

Accurate Mass: 247.099714

Percentage Composition: C 82.57%; H 5.30%; N 5.66%; O 6.47%

Physical Description: Needles (EtOH or AcOH)

Melting Point: Mp 162°

Solubility: Sol. AcOH; spar. sol. EtOH

Rare Chemicals Library: S52006-3

>> **Derivative:** *N*-(4-Methylbenzenesulfonyl)

CAS Registry Number: 18271-17-5

Physical Description: Prisms or cryst. (EtOH)

Melting Point: Mp 152° (147°)

>> **Derivative:** *N*-Me

CAS Registry Number: 2216-68-4

Molecular Formula: C₁₁H₁₁N

Molecular Weight: 157.215

Accurate Mass: 157.089149

Percentage Composition: C 84.04%; H 7.05%; N 8.91%

Physical Description: Oil

Boiling Point: Bp 293-296°. Bp₁₆ 175-176°

Other Data: Darkens in air

>> **Derivative:** *N,N*-Di-Me

>> **Derivative:** *N*-Et

CAS Registry Number: 118-44-5

Molecular Formula: C₁₂H₁₃N

Molecular Weight: 171.241

Accurate Mass: 171.104799

Percentage Composition: C 84.17%; H 7.65%; N 8.18%

Physical Description: Oil

Boiling Point: Bp 325-330°. Bp₁₀ 159.5-160.5°

Aldrich: 10270-9

Fluka: 4550

Rare Chemicals Library: S42712-8

>> **Derivative:** *N*-Et; hydrochloride

CAS Registry Number: 36101-15-2

Physical Description: Light pink needles

Melting Point: Mp 193°. Mp 218-220°

>> **Derivative:** *N*-Et; hydrobromide

CAS Registry Number: 36966-04-8

Melting Point: Mp 232-234°

>> **Derivative:** *N,N*-Di-Et

CAS Registry Number: 84-95-7

Physical Description: Oil

Boiling Point: Bp 285°. Bp 290°. Bp₃₀ 155-165°

Density: d₂₀²⁰ 1.015

Other Data: Darkens in air