



>>Derivative: *N*-Benzoyl
Synonym(s): *N*-Benzylbenzamide

CAS Registry Number: 1485-70-7
Molecular Formula: C₁₄H₁₃NO
Molecular Weight: 211.263
Accurate Mass: 211.099714
Percentage Composition: C 79.59%; H 6.20%; N 6.63%; O 7.57%
Physical Description: Leaflets
Melting Point: Mp 105-106°
Aldrich: 20101-4
Rare Chemicals Library: S17897-7

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

Melting Point: Mp 185°

>>Derivative: *N*-Me

CAS Registry Number: 103-67-3

Molecular Formula: C₈H₁₁N
Molecular Weight: 121.182
Accurate Mass: 121.089149
Percentage Composition: C 79.29%; H 9.15%; N 11.56%
Biological Source: Minor constit. of Ma Huang (from *Ephedra* sp.)
Boiling Point: Bp 180-181°. Bp₁₄ 78°
Aldrich: B2560-6
Fluka: 13570

>>Derivative: *N*-Me; hydrochloride

CAS Registry Number: 13426-94-3
Physical Description: Needles (EtOH/Et₂O)
Melting Point: Mp 178°

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

CAS Registry Number: 103-83-3
Molecular Formula: C₉H₁₃N
Molecular Weight: 135.208
Accurate Mass: 135.104799
Percentage Composition: C 79.95%; H 9.69%; N 10.36%
Physical Description: Liq.
Boiling Point: Bp 181°. Bp₁₅ 66-67°
Other Data: Steam-volatile

Hazard & Toxicity: Corrosive and irritating to all tissues. LD₅₀ (rat, orl) 265 mg/kg. LD₅₀ (rbt, skn) 1660 mg/kg. Flammable, fl. p. 54°

Aldrich: 18558-2
Fluka: 13370
Sigma: D2013

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

CAS Registry Number: 1875-92-9
Melting Point: Mp 175°

Rare Chemicals Library: S94298-7