>>**Entry Name: Dibutylamine**
Synonym(s): *N*-Butyl-1-butanamine, 9CI

CAS Registry Number: 111-92-2
Related CAS Registry Numbers(s): 7620-75-9
$(H_3CCH_2CH_2CH_2)_2NH$

Molecular Formula: $C_8H_{19}N$
Molecular Weight: 129.245
Accurate Mass: 129.151749
Percentage Composition: C 74.35%; H 14.82%; N 10.84%
Use/Importance: Used for purifn. of Abietic and related acids by salt formn. Anal. reagent for org. isothiocyanates
Melting Point: Fp –61.9°
Boiling Point: Bp 159°
Solubility: Sol. H_2O, EtOH
Hazard & Toxicity: Corrosive and irritating to skin and eyes. LD_{50} (rat, orl) 220 mg/kg. LD_{50} (rbt, skn) 1010 mg/kg. Flammable, fl. p. 41/47°

Aldrich: D4495-2
Fluka: 34500
Sigma: D2883

>>**Derivative:** Hydrochloride

CAS Registry Number: 6287-40-7
Melting Point: Mp 283°
Rare Chemicals Library: S56615-2
Other: PB D11130

>>**Derivative:** Picrate

Melting Point: Mp 59° (98-99°)

>>**Derivative:** *N*-Me
Synonym(s): Dibutylmethylamine

CAS Registry Number: 3405-45-6
Molecular Formula: $C_9H_{21}N$
Molecular Weight: 143.272
Accurate Mass: 143.167399
Percentage Composition: C 75.45%; H 14.77%; N 9.78%
Physical Description: Liq.
Melting Point: Fp –62°
Boiling Point: Bp 159.6°
Density: d_{20}^{20} 0.761
Hazard & Toxicity: Skin irritant. LD_{50} (rat, orl) 540 mg/kg. Flammable

Aldrich: 30812-9

>>**Derivative:** *N*-Nitroso
Synonym(s): *N*-Nitrosodibutylamine. Dibutylnitrosamine

CAS Registry Number: 924-16-3
Molecular Formula: $C_8H_{18}N_2O$
Molecular Weight: 158.243
Accurate Mass: 158.141913
Percentage Composition: C 60.72%; H 11.46%; N 17.70%; O 10.11%
Physical Description: Yellow oil
Boiling Point: Bp_{21} 125-125.5°. $Bp_{0.4}$ 67-70°
Density: d_4^{20} 0.9009
Refractive Index: n_D 1.4475
Hazard & Toxicity: Probable carcinogen

References: