



>>Entry Name: Diisopropylamine, 8Cl

Synonym(s): *N*-(1-Methylethyl)-2-propanamine, 9Cl

CAS Registry Number: 108-18-9

(H<sub>3</sub>C)<sub>2</sub>CHNHCH(CH<sub>3</sub>)<sub>2</sub>

Molecular Formula: C<sub>6</sub>H<sub>15</sub>N

Molecular Weight: 101.191

Accurate Mass: 101.120449

Percentage Composition: C 71.22%; H 14.94%; N 13.84%

Physical Description: Liq.

Boiling Point: Bp 84°

Density: d<sup>22</sup> 0.722

**Hazard & Toxicity:** Highly flammable, fl. p. -7°, autoignition temp. 316°. Eye, skin and respiratory tract irritant. LD<sub>50</sub> (rat, orl) 770 mg/kg. OES: long-term 5 ppm (Sk)

Aldrich: 47122-4

Fluka: 38300

Sigma: D3022

>>Derivative: Hydrochloride

CAS Registry Number: 819-79-4

Physical Description: Needles (MeOH/Et<sub>2</sub>O)

Melting Point: Mp 211.5-213°

Aldrich: 41646-0

Rare Chemicals Library: S64150-2

>>Derivative: *N*-Me

Synonym(s): Diisopropylmethylamine

CAS Registry Number: 10342-97-9

Molecular Formula: C<sub>7</sub>H<sub>17</sub>N

Molecular Weight: 115.218

Accurate Mass: 115.136099

Percentage Composition: C 72.97%; H 14.87%; N 12.16%

Physical Description: Liq.

Boiling Point: Bp 111°. Bp<sub>90</sub> 50°

Fluka: 38431

>>Derivative: *N*-Et

see Ethyldiisopropylamine, [DMN28-L](#)

>>Derivative: *N*-Ph

see *N*-Isopropylaniline, [DTC83-S](#)

>>Derivative: *N*-Nitroso

Synonym(s): *N*-(1-Methylethyl)-*N*-nitroso-2-propanamine, 9Cl. *N*-Nitrosodiisopropylamine

CAS Registry Number: 601-77-4

Molecular Formula: C<sub>6</sub>H<sub>14</sub>N<sub>2</sub>O

Molecular Weight: 130.189

Accurate Mass: 130.110613

Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%

Physical Description: Cryst. (Et<sub>2</sub>O)

Melting Point: Mp 46°

Boiling Point: Bp 194.5°

>>Derivative: Li deriv.

see Lithium diisopropylamide, [HQV04-J](#)

References: