

# Dimethylaminomethylidene-t-butylamine

|                      |                                                                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other names:         | Dimethylaminomethylidene-t-butylamine<br>N'-[1,1-Dimethylethyl]-N,N-dimethylimidoformamide<br>(CH <sub>3</sub> ) <sub>2</sub> N-CH=N(t-C <sub>4</sub> H <sub>9</sub> )<br>Formamidine, N'-tert-butyl-N,N-dimethyl- |
| Inchi:               | InChI=1S/C7H16N2/c1-7(2,3)8-6-9(4)5/h6H,1-5H3                                                                                                                                                                      |
| InchiKey:            | PHNRCFCIKPZSFS-UHFFFAOYSA-N                                                                                                                                                                                        |
| Formula:             | C <sub>7</sub> H <sub>16</sub> N <sub>2</sub>                                                                                                                                                                      |
| SMILES:              | CN(C)C=NC(C)(C)C                                                                                                                                                                                                   |
| Mol. weight [g/mol]: | 128.22                                                                                                                                                                                                             |

## Physical Properties

| Property code | Value   | Unit   | Source             |
|---------------|---------|--------|--------------------|
| ie            | 7.89    | eV     | Cheméo Relay (1.0) |
| logp          | 1.375   |        | Crippen Method     |
| mcvol         | 125.150 | ml/mol | McGowan Method     |
| tb            | 443.44  | K      | Cheméo Relay (1.0) |

## Sources

|                           |                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| McGowan Method:           | <a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>                         |
| Crippen Method:           | <a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>                                     |
| Crippen Method:           | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| Cheméo Relay (1.0):       |                                                                                                                                               |
| Cheméo Relay (1.0, beta): |                                                                                                                                               |
| NIST Webbook:             | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C23314069&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C23314069&amp;Units=SI</a> |
| Joback Method:            | <a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>                                         |

## Legend

|       |                                     |
|-------|-------------------------------------|
| ie:   | Ionization energy                   |
| logp: | Octanol/Water partition coefficient |

**mcvol:** McGowan's characteristic volume  
**tb:** Normal Boiling Point Temperature

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