

2-Propanamine, 2-methyl-N-(phenylmethylene)-

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|-----------------------------|---|
| Other names: | Ethylamine, N-benzylidene-1,1-dimethyl- Benzylidene-tert-butylamine N-tert-Butylbenzylideneamine N-tert-Butylbenzylimine N-Benzylidene-tert-butylamine N-Benzylidene-N-tert-butylamine N-Benzylidene-1,1-dimethylethylamine 2-Methyl-N-benzylidene-2-propanamine 2-Methyl-N-[phenylmethylidene]-2-propanamine |
| Inchi: | InChI=1S/C11H15N/c1-11(2,3)12-9-10-7-5-4-6-8-10/h4-9H,1-3H3 |
| InchiKey: | KFLSWDVYGGSSRX-UHFFFAOYSA-N |
| Formula: | C11H15N |
| SMILES: | CC(C)(C)N=Cc1ccccc1 |
| Mol. weight [g/mol]: | 161.24 |
| CAS: | 6852-58-0 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| hf | 39.63 | kJ/mol | Joback Method |
| hvap | 44.37 | kJ/mol | Joback Method |
| log10ws | -2.91 | | Crippen Method |
| logp | 2.904 | | Crippen Method |
| mcvol | 147.770 | ml/mol | McGowan Method |
| pc | 2429.05 | kPa | Joback Method |
| tb | 551.21 | K | Joback Method |
| tc | 785.94 | K | Joback Method |

Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---------------|--------|------|----------------|--------------|
| tbrp | 367.00 | K | 2.00 | NIST Webbook |

Sources

| | |
|------------------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| Joback Method: | https://en.wikipedia.org/wiki/Joback_method |
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C6852580&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci990307l |

Legend

| | |
|-----------------|---|
| hf: | Enthalpy of formation at standard conditions |
| hvap: | Enthalpy of vaporization at standard conditions |
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mcvol: | McGowan's characteristic volume |
| pc: | Critical Pressure |
| tb: | Normal Boiling Point Temperature |
| tbrp: | Boiling point at reduced pressure |
| tc: | Critical Temperature |

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