

Pyrrolidine, 1-(1-cyclopenten-1-yl)-

| | |
|-----------------------------|---|
| Other names: | N-(1-Cyclopenten-1-yl)pyrrolidine 1-(Cyclopent-1'-enyl)pyrrolidine 1-(1-Cyclopenten-1-yl)pyrrolidine 1-(1-Pyrrolidino)cyclopentene 1-(1-Pyrrolidinyl)-1-cyclopentene 1-(1-Pyrrolidinyl)cyclopentene 1-Cyclopentenylpyrrolidine 1-Pyrrolidinocyclopentene Pyrrolidine, 1-cyclopentenyl- 1-Pyrrolidino-1-cyclopentene 1-(1-Cyclopentene-1-yl)-pyrrolidine N-(1-Cyclopentenyl)pyrrolidine NSC 29653 N-(cyclopent-1-ene-1-yl)pyrrolidine |
| Inchi: | InChI=1S/C9H15N/c1-2-6-9(5-1)10-7-3-4-8-10/h5H,1-4,6-8H2 |
| InchiKey: | KOFSFYBXUYHNJL-UHFFFAOYSA-N |
| Formula: | C9H15N |
| SMILES: | <chem>C1=C(N2CCCC2)CCC1</chem> |
| Mol. weight [g/mol]: | 137.22 |
| CAS: | 7148-07-4 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------------|--------|----------------|
| affp | 1019.20 | kJ/mol | NIST Webbook |
| basg | 988.40 | kJ/mol | NIST Webbook |
| ie | 7.10 ± 0.05 | eV | NIST Webbook |
| ie | 7.10 | eV | NIST Webbook |
| log10ws | -2.30 | | Crippen Method |
| logp | 2.150 | | Crippen Method |
| mvol | 121.630 | ml/mol | McGowan Method |

Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---------------|-------|------|----------------|--------|
|---------------|-------|------|----------------|--------|

Sources

| | |
|------------------------|---|
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C7148074&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci990307I |
| Crippen Method: | https://www.cheméo.com/doc/models/crippen_log10ws |

Legend

| | |
|-----------------|-------------------------------------|
| affp: | Proton affinity |
| basg: | Gas basicity |
| ie: | Ionization energy |
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |
| mcvol: | McGowan's characteristic volume |
| tbrp: | Boiling point at reduced pressure |

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