

piperazine-1,4-diethylamine

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|-----------------------------|---------------------------------------------------------|
| Other names: | N,N'-Di-(2-aminoethyl)piperazine |
| Inchi: | InChI=1S/C8H20N4/c9-1-3-11-5-7-12(4-2-10)8-6-11/h1-10H2 |
| InchiKey: | PAOXFRSJRCGJLV-UHFFFAOYSA-N |
| Formula: | C8H20N4 |
| SMILES: | NCCN1CCN(CCN)CC1 |
| Mol. weight [g/mol]: | 172.27 |
| CAS: | 6531-38-0 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | 0.93 | | Crippen Method |
| logp | -1.479 | | Crippen Method |
| mcpvol | 152.640 | ml/mol | McGowan Method |

Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---------------|--------|---------|-----------------|--------------|
| cpl | 407.00 | J/mol×K | 333.00 | NIST Webbook |

Sources

| | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| McGowan Method: | http://link.springer.com/article/10.1007/BF02311772 |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C6531380&Units=SI |

Legend

cpl: Liquid phase heat capacity
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume

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