

1,4-Bis(3-aminopropyl)piperazine

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|-----------------------------|--|
| Other names: | N,N'-Bis(p-aminopropyl)piperazine N,N'-Bis(3-aminopropyl)piperazine 1,4-Piperazinedipropanamine Piperazine, 1,4-bis(3-aminopropyl)- 3-[4-(3-Aminopropyl)-1-piperazinyl]propylamine |
| Inchi: | InChI=1S/C10H24N4/c11-3-1-5-13-7-9-14(10-8-13)6-2-4-12/h1-12H2 |
| InchiKey: | XUSNPFGLKGCWGN-UHFFFAOYSA-N |
| Formula: | C10H24N4 |
| SMILES: | NCCCN1CCN(CCCN)CC1 |
| Mol. weight [g/mol]: | 200.32 |
| CAS: | 7209-38-3 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|--------|----------------|
| log10ws | 0.09 | | Crippen Method |
| logp | -0.698 | | Crippen Method |
| mcvol | 180.820 | ml/mol | McGowan Method |

Pressure Dependent Properties

| Property code | Value | Unit | Pressure [kPa] | Source |
|---------------|--------|------|----------------|--------------|
| tbrp | 424.20 | K | 0.30 | 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=C7209383&Units=SI |

Legend

| | |
|-----------------|-------------------------------------|
| 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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