

1,1'-ethylenedipiperazine

Other names:	Dipiperazinylethane
Inchi:	InChI=1S/C10H22N4/c1-5-13(6-2-11-1)9-10-14-7-3-12-4-8-14/h11-12H,1-10H2
InchiKey:	XDHVNMPVLPEHND-UHFFFAOYSA-N
Formula:	C10H22N4
SMILES:	C1CN(CCN2CCNCC2)CCN1
Mol. weight [g/mol]:	198.31
CAS:	19479-83-5

Physical Properties

Property code	Value	Unit	Source
log10ws	0.68		Crippen Method
logp	-1.203		Crippen Method
mcpvol	169.960	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	540.00	J/molxK	413.00	NIST Webbook

Sources

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=C19479835&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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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