1-AMINO-1-CYCLOPENTANEMETHANOL

Other names:	1-Aminocyclopentanemethanol
	Amino-1 methylol-1 cyclopentane
	1-Amino-1-cyclopentanemethanol
Inchi:	InChI=1S/C6H13NO/c7-6(5-8)3-1-2-4-6/h8H,1-5,7H2
InchiKey:	PDNZJLMPXLQDPL-UHFFFAOYSA-N
Formula:	C6H13NO
SMILES:	NC1(CO)CCCC1
Mol. weight [g/mol]:	115.18

Physical Properties

Property code	Value	Unit	Source
hfus	8.22	kJ/mol	Joback Method
logp	0.250		Crippen Method
mcvol	100.390	ml/mol	McGowan Method
tf	431.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	244.76	J/mol×K	516.91	Joback Method
cpg	256.66	J/mol×K	551.46	Joback Method
cpg	267.74	J/mol×K	586.01	Joback Method
cpg	278.10	J/mol×K	620.56	Joback Method
cpg	287.84	J/mol×K	655.10	Joback Method
cpg	297.08	J/mol×K	689.65	Joback Method
cpg	305.91	J/mol×K	724.20	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	360.20	K	1.30	NIST Webbook

tbrp	341.50 ± 0.50	K	0.10	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10316797&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point