

Cyclopentaneethanamine, N,«alpha»-dimethyl-

Other names:	Cyclopentaneethylamine, N,«alpha»-dimethyl- Clopane Cyclonarol Cyclopentadrin Cyclopentamin Cyclopentamine Cyklosan Sinos Ethylamine, 2-cyclopentyl-N,1-dimethyl- 2-Cyclopentyl-N,1-dimethylethylamine Cyclopentadrine Cyklosal N,«alpha»-Dimethylcyclopentaneethylamine Cyclopentamine (pharmaceutical)
Inchi:	InChI=1S/C9H19N/c1-8(10-2)7-9-5-3-4-6-9/h8-10H,3-7H2,1-2H3
InchiKey:	HF XKQSZZPGLKQ-UHFFFAOYSA-N
Formula:	C9H19N
SMILES:	CNC(C)CC1CCCC1
Mol. weight [g/mol]:	141.25
CAS:	102-45-4

Physical Properties

Property code	Value	Unit	Source
gf	148.40	kJ/mol	Joback Method
hf	-120.42	kJ/mol	Joback Method
hfus	14.58	kJ/mol	Joback Method
hvap	41.93	kJ/mol	Joback Method
log10ws	-2.54		Crippen Method
logp	2.175		Crippen Method
mcvol	136.790	ml/mol	McGowan Method
pc	2826.33	kPa	Joback Method
rinpol	1085.00		NIST Webbook
rinpol	1098.00		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1087.00		NIST Webbook
rinpol	1076.00		NIST Webbook
rinpol	1080.00		NIST Webbook

rinpol	1109.00		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1085.00		NIST Webbook
rinpol	1088.00		NIST Webbook
rinpol	1088.00		NIST Webbook
rinpol	1100.00		NIST Webbook
ripol	1310.00		NIST Webbook
ripol	1327.00		NIST Webbook
ripol	1347.00		NIST Webbook
tb	444.20	K	NIST Webbook
tc	669.00	K	Joback Method
tf	239.75	K	Joback Method
vc	0.509	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	308.27	J/mol×K	470.33	Joback Method
cpg	326.42	J/mol×K	503.44	Joback Method
cpg	343.63	J/mol×K	536.55	Joback Method
cpg	359.94	J/mol×K	569.66	Joback Method
cpg	375.38	J/mol×K	602.78	Joback Method
cpg	389.99	J/mol×K	635.89	Joback Method
cpg	403.79	J/mol×K	669.00	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	357.70	K	4.00	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method:

<http://link.springer.com/article/10.1007/BF02311772>

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C102454&Units=SI>

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpola:	Non-polar retention indices
ripola:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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