

6-(Dimethylamino)fulvene

Other names:	Methanamine, 1-(2,4-cyclopentadien-1-ylidene)-N,N-dimethyl- 2,4-Cyclopentadiene-«delta»1,«alpha»-methylanine, N,N-dimethyl- 1-(2,4-Cyclopentadien-1-ylidene)-N,N-dimethylmethanamine
Inchi:	InChI=1S/C8H11N/c1-9(2)7-8-5-3-4-6-8/h3-7H,1-2H3
InchiKey:	UJXXVGXQTXQALL-UHFFFAOYSA-N
Formula:	C8H11N
SMILES:	CN(C)C=C1C=CC=C1
Mol. weight [g/mol]:	121.18
CAS:	696-68-4

Physical Properties

Property code	Value	Unit	Source
gf	276.90	kJ/mol	Joback Method
hf	131.49	kJ/mol	Joback Method
hfus	15.13	kJ/mol	Joback Method
hvap	37.38	kJ/mol	Joback Method
ie	7.43	eV	NIST Webbook
log10ws	-1.69		Crippen Method
logp	1.558		Crippen Method
mcvol	109.800	ml/mol	McGowan Method
pc	3568.53	kPa	Joback Method
tb	419.79	K	Joback Method
tc	622.49	K	Joback Method
tf	239.41	K	Joback Method
vc	0.399	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	204.84	J/mol×K	419.79	Joback Method
cpg	218.44	J/mol×K	453.57	Joback Method
cpg	231.16	J/mol×K	487.36	Joback Method
cpg	243.07	J/mol×K	521.14	Joback Method
cpg	254.20	J/mol×K	554.92	Joback Method

cpg	264.61	J/mol×K	588.70	Joback Method
cpg	274.32	J/mol×K	622.49	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C696684&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

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
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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