6-Methyl-1,2,3,4-tetrahydroquinoline

Other names:	Civettal
	1,2,3,4-Tetrahydro-6-methylquinoline
	Quinoline, 1,2,3,4-tetrahydro-6-methyl-
Inchi:	InChI=1S/C10H13N/c1-8-4-5-10-9(7-8)3-2-6-11-10/h4-5,7,11H,2-3,6H2,1H3
InchiKey:	XOKMRXSMOHCNIX-UHFFFAOYSA-N
Formula:	C10H13N
SMILES:	Cc1ccc2c(c1)CCCN2
Mol. weight [g/mol]:	147.22
CAS:	91-61-2

Physical Properties

Property code	Value	Unit	Source
gf	270.54	kJ/mol	Joback Method
hf	88.65	kJ/mol	Joback Method
hfus	19.47	kJ/mol	Joback Method
hvap	48.61	kJ/mol	Joback Method
log10ws	-2.65		Crippen Method
logp	2.353		Crippen Method
mcvol	127.120	ml/mol	McGowan Method
pc	3611.55	kPa	Joback Method
tb	529.07	K	Joback Method
tc	768.20	K	Joback Method
tf	377.61	K	Joback Method
vc	0.474	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	283.67	J/mol×K	529.07	Joback Method
cpg	299.66	J/mol×K	568.93	Joback Method
cpg	314.58	J/mol×K	608.78	Joback Method
cpg	328.51	J/mol×K	648.64	Joback Method
cpg	341.49	J/mol×K	688.49	Joback Method
cpg	353.58	J/mol×K	728.35	Joback Method

cpg	364.83	J/mol×K	768.20	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C91612&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume