1,2,3,4-Tetrahydro-N-methylcarbazole

Inchi: InChI=1S/C13H15N/c1-14-12-8-4-2-6-10(12)11-7-3-5-9-13(11)14/h2,4,6,8H,3,5,7,9H2,1H
InchiKey: LXRZSWPAXJBXQM-UHFFFAOYSA-N
Formula: C13H15N
SMILES: Cn1c2c(c3ccccc31)CCCC2
Mol. weight [g/mol]: 185.26
CAS: 6303-88-4

Physical Properties

Property code	Value	Unit	Source
chs	-7258.30 ± 1.10	kJ/mol	NIST Webbook
hf	93.10 ± 0.30	kJ/mol	NIST Webbook
hfs	-1.00 ± 1.30	kJ/mol	NIST Webbook
hsub	94.10	kJ/mol	NIST Webbook
log10ws	-6.06		Crippen Method
logp	3.057		Crippen Method
mcvol	154.230	ml/mol	McGowan Method
ss	260.89	J/mol×K	NIST Webbook
ss	260.89	J/mol×K	NIST Webbook
tt	323.71 ± 0.01	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	241.35	J/mol×K	298.15	NIST Webbook
cps	241.35	J/mol×K	298.15	NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

chs:	Standard solid enthalpy of combustion
cps:	Solid phase heat capacity
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
ss:	Solid phase molar entropy at standard conditions
tt:	Triple Point Temperature