1,2,3,4,5,6-hexahydro-7H-cyclopenta[b]pyridin-7-o

Inchi: InChI=1S/C8H11NO/c10-7-4-3-6-2-1-5-9-8(6)7/h9H,1-5H2
InchiKey: JOAMMKKZSZEDHD-UHFFFAOYSA-N
Formula: C8H11NO
SMILES: O=C1CCC2=C1NCCC2
Mol. weight [g/mol]: 137.18

Physical Properties

Property code	Value	Unit	Source
gf	92.92	kJ/mol	Joback Method
hf	-105.70	kJ/mol	Joback Method
hfus	13.85	kJ/mol	Joback Method
hvap	46.98	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	0.987		Crippen Method
mcvol	109.110	ml/mol	McGowan Method
pc	4333.96	kPa	Joback Method
rinpol	1401.00		NIST Webbook
tb	543.56	K	Joback Method
tc	793.06	K	Joback Method
tf	412.77	K	Joback Method
vc	0.406	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	255.48	J/mol×K	543.56	Joback Method
cpg	270.80	J/mol×K	585.14	Joback Method
cpg	285.18	J/mol×K	626.73	Joback Method
cpg	298.66	J/mol×K	668.31	Joback Method
cpg	311.25	J/mol×K	709.89	Joback Method
cpg	322.98	J/mol×K	751.47	Joback Method
cpg	333.87	J/mol×K	793.06	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R225111&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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume