

Endo-2-aminonorbornane

Inchi:	InChI=1S/C7H13N/c8-7-4-5-1-2-6(7)3-5/h5-7H,1-4,8H2/t5?,6?,7-/m1/s1
InchiKey:	JEPPYVOSGKWVSJ-AHXFUIDQSA-N
Formula:	C7H13N
SMILES:	N[C@@H]1CC2CCC1C2
Mol. weight [g/mol]:	111.19

Physical Properties

Property code	Value	Unit	Source
affp	935.30	kJ/mol	NIST Webbook
basg	901.30	kJ/mol	NIST Webbook
hf	-9.54	kJ/mol	Cheméo Relay (1.0)
hfus	14.32	kJ/mol	Joback Method
hvap	47.88	kJ/mol	Cheméo Relay (1.0)
ie	8.30	eV	NIST Webbook
logp	1.134		Crippen Method
mcvol	97.750	ml/mol	McGowan Method
tb	430.63	K	Cheméo Relay (1.0)
tf	314.14	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	220.19	J/mol×K	445.17	Joback Method
cpg	236.75	J/mol×K	481.52	Joback Method
cpg	252.22	J/mol×K	517.87	Joback Method
cpg	266.65	J/mol×K	554.21	Joback Method
cpg	280.10	J/mol×K	590.56	Joback Method
cpg	292.66	J/mol×K	626.91	Joback Method
cpg	304.37	J/mol×K	663.26	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C31002730&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

affp:	Proton affinity
basg:	Gas basicity
cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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