m-Aminostyrene

Inchi: InChI=1S/C8H9N/c1-2-7-4-3-5-8(9)6-7/h2-6H,1,9H2
InchiKey: IFSSSYDVRQSDSG-UHFFFAOYSA-N
Formula: C8H9N
SMILES: C=Cc1cccc(N)c1
Mol. weight [g/mol]: 119.16
CAS: 15411-43-5

Physical Properties

Property code	Value	Unit	Source
gf	273.55	kJ/mol	Joback Method
hf	175.83	kJ/mol	Joback Method
hfus	14.04	kJ/mol	Joback Method
hvap	46.31	kJ/mol	Joback Method
log10ws	-1.93		Crippen Method
logp	1.912		Crippen Method
mcvol	105.500	ml/mol	McGowan Method
pc	4051.80	kPa	Joback Method
ripol	2100.80		NIST Webbook
ripol	2100.80		NIST Webbook
tb	483.31	K	Joback Method
tc	712.87	K	Joback Method
tf	300.36	K	Joback Method
vc	0.386	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	211.57	J/mol×K	483.31	Joback Method
cpg	223.39	J/mol×K	521.57	Joback Method
cpg	234.43	J/mol×K	559.83	Joback Method
cpg	244.73	J/mol×K	598.09	Joback Method
cpg	254.34	J/mol×K	636.35	Joback Method
cpg	263.28	J/mol×K	674.61	Joback Method
cpg	271.60	J/mol×K	712.87	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C15411435&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
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume