N,n-dimethyl-4'-vinylbenzylamine

Inchi: InChI=1S/C11H15N/c1-4-10-5-7-11(8-6-10)9-12(2)3/h4-8H,1,9H2,2-3H3
InchiKey: XQBHAZDVLGNSOJ-UHFFFAOYSA-N
Formula: C11H15N
SMILES: C=Cc1ccc(CN(C)C)cc1
Mol. weight [g/mol]: 161.24
CAS: 2245-52-5

Physical Properties

Property code	Value	Unit	Source
gf	343.14	kJ/mol	Joback Method
hf	147.65	kJ/mol	Joback Method
hfus	19.64	kJ/mol	Joback Method
hvap	44.39	kJ/mol	Joback Method
log10ws	-2.58		Crippen Method
logp	2.391		Crippen Method
mcvol	147.770	ml/mol	McGowan Method
pc	2718.33	kPa	Joback Method
tb	491.86	K	Joback Method
tc	696.70	K	Joback Method
tf	283.38	K	Joback Method
vc	0.542	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	316.23	J/mol×K	491.86	Joback Method
cpg	332.07	J/mol×K	526.00	Joback Method
cpg	346.99	J/mol×K	560.14	Joback Method
cpg	361.03	J/mol×K	594.28	Joback Method
cpg	374.21	J/mol×K	628.42	Joback Method
cpg	386.60	J/mol×K	662.56	Joback Method
cpg	398.23	J/mol×K	696.70	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2245525&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume