Benzamide, o-(methylamino)-n-n-propyl-

Inchi: InChI=1S/C11H16N2O/c1-3-8-13-11(14)9-6-4-5-7-10(9)12-2/h4-7,12H,3,8H2,1-2H3,(H,1
InchiKey: VVYLEEORPSZVFT-UHFFFAOYSA-N
Formula: C11H16N2O
SMILES: CCCNC(=O)c1ccccc1NC
Mol. weight [g/mol]: 192.26
CAS: 116465-89-5

Physical Properties

Property code	Value	Unit	Source
gf	194.38	kJ/mol	Joback Method
hf	-50.95	kJ/mol	Joback Method
hfus	29.70	kJ/mol	Joback Method
hvap	62.64	kJ/mol	Joback Method
log10ws	-2.66		Crippen Method
logp	1.868		Crippen Method
mcvol	163.620	ml/mol	McGowan Method
pc	2862.74	kPa	Joback Method
tb	636.95	K	Joback Method
tc	849.05	K	Joback Method
tf	407.92	K	Joback Method
vc	0.620	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	421.12	J/mol×K	636.95	Joback Method
cpg	435.14	J/mol×K	672.30	Joback Method
cpg	448.29	J/mol×K	707.65	Joback Method
cpg	460.60	J/mol×K	743.00	Joback Method
cpg	472.10	J/mol×K	778.35	Joback Method
cpg	482.83	J/mol×K	813.70	Joback Method
cpg	492.83	J/mol×K	849.05	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C116465895&Units=SI

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