2-Butanol, 3,3'-iminodi-

Inchi: InChI=1S/C8H19NO2/c1-5(7(3)10)9-6(2)8(4)11/h5-11H,1-4H3
InchiKey: BVXKSRVXGSQWLE-UHFFFAOYSA-N
Formula: C8H19NO2
SMILES: CC(O)C(C)NC(C)C(C)O
Mol. weight [g/mol]: 161.24
CAS: 6959-06-4

Physical Properties

Property code	Value	Unit	Source
gf	-177.53	kJ/mol	Joback Method
hf	-480.56	kJ/mol	Joback Method
hfus	15.66	kJ/mol	Joback Method
hvap	71.64	kJ/mol	Joback Method
log10ws	-1.34		Crippen Method
logp	0.115		Crippen Method
mcvol	145.300	ml/mol	McGowan Method
pc	3239.34	kPa	Joback Method
tb	615.21	K	Joback Method
tc	785.32	K	Joback Method
tf	294.22	K	Joback Method
vc	0.532	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	395.58	J/mol×K	615.21	Joback Method
cpg	406.73	J/mol×K	643.56	Joback Method
cpg	417.37	J/mol×K	671.91	Joback Method
cpg	427.51	J/mol×K	700.26	Joback Method
cpg	437.18	J/mol×K	728.61	Joback Method
cpg	446.38	J/mol×K	756.97	Joback Method
cpg	455.13	J/mol×K	785.32	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6959064&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