Diethylene glycol, amino, N-hexyl

Inchi: InChI=1S/C10H23NO2/c1-2-3-4-5-6-11-7-9-13-10-8-12/h11-12H,2-10H2,1H3
InchiKey: GOZCAZWSEYCAPZ-UHFFFAOYSA-N
Formula: C10H23NO2
SMILES: CCCCCCNCCOCCO
Mol. weight [g/mol]: 189.30

Physical Properties

Property code	Value	Unit	Source
gf	-119.11	kJ/mol	Joback Method
hf	-480.71	kJ/mol	Joback Method
hfus	32.03	kJ/mol	Joback Method
hvap	63.38	kJ/mol	Joback Method
log10ws	-1.55		Crippen Method
logp	1.165		Crippen Method
mcvol	173.480	ml/mol	McGowan Method
pc	2289.32	kPa	Joback Method
rinpol	1443.00		NIST Webbook
rinpol	1443.00		NIST Webbook
tb	592.97	K	Joback Method
tc	755.22	K	Joback Method
tf	338.17	K	Joback Method
vc	0.667	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	460.46	J/mol×K	592.97	Joback Method
cpg	473.70	J/mol×K	620.01	Joback Method
cpg	486.42	J/mol×K	647.05	Joback Method
cpg	498.64	J/mol×K	674.10	Joback Method
cpg	510.36	J/mol×K	701.14	Joback Method
cpg	521.59	J/mol×K	728.18	Joback Method
cpg	532.35	J/mol×K	755.22	Joback Method

Sources

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=R119972&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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