2-(2-Naphthoxy)ethanol

Other names:	2-(«beta»-Naphthoxy)ethanol
	Ethanol, 2-(2-naphthalenyloxy)-
	«beta»-Hydroxyethyl «beta»-naphthol ether
	«beta»-Hydroxyethyl-2-naphthyl ether
	«beta»-Naphthoxyethanol
	Anavenol
	Ethanol, 2-(2-naphthyloxy)-
	Ethylene glycol mono-2-naphthyl ether
	2-(«beta»-Hydroxyethoxy)naphthalene
	2-(2-Naphthyloxy)ethanol
	2-(2-Naphthyloxy)ethyl alcohol
	NSC 37574
Inchi:	InChI=1S/C12H12O2/c13-7-8-14-12-6-5-10-3-1-2-4-11(10)9-12/h1-6,9,13H,7-8H2
InchiKey:	BQPBZDSDFCDSAO-UHFFFAOYSA-N
Formula:	C12H12O2
SMILES:	OCCOc1ccc2ccccc2c1
Mol. weight [g/mol]:	188.22
CAS:	93-20-9

Physical Properties

Property code	Value	Unit	Source
gf	17.77	kJ/mol	Joback Method
hf	-159.33	kJ/mol	Joback Method
hfus	22.78	kJ/mol	Joback Method
hvap	65.97	kJ/mol	Joback Method
log10ws	-3.08		Crippen Method
logp	2.211		Crippen Method
mcvol	148.460	ml/mol	McGowan Method
pc	3325.84	kPa	Joback Method
tb	639.20	K	Joback Method
tc	849.39	K	Joback Method
tf	379.69	K	Joback Method
vc	0.558	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	372.02	J/mol×K	639.20	Joback Method
cpg	423.99	J/mol×K	814.35	Joback Method
cpg	414.94	J/mol×K	779.32	Joback Method
cpg	405.26	J/mol×K	744.29	Joback Method
cpg	394.91	J/mol×K	709.26	Joback Method
cpg	383.84	J/mol×K	674.23	Joback Method
cpg	432.46	J/mol×K	849.39	Joback Method
dvisc	0.0000876	Pa×s	639.20	Joback Method
dvisc	0.0001228	Pa×s	595.95	Joback Method
dvisc	0.0001812	Pa×s	552.70	Joback Method
dvisc	0.0002858	Pa×s	509.45	Joback Method
dvisc	0.0004906	Pa×s	466.19	Joback Method
dvisc	0.0009405	Pa×s	422.94	Joback Method
dvisc	0.0020912	Pa×s	379.69	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=C93209&Units=SI

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
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