1-Piperidineethanol

Other names:	«beta»-Piperidinoethanol
	«beta»-Piperidylethanol
	N-(Hydroxyethyl)piperidine
	N-(2-Hydroxyethyl)piperidine
	2-(1-Piperidinyl)ethanol
	2-Piperidinoethanol
	N-Piperidineethanol
	1-(2-Hydroxyethyl)piperidine
	N-(«beta»-Hydroxyethyl)piperidine
	2-Piperidineethanol
	Piperidine, 1-(2-hydroxyethyl)
	NSC 3460
Inchi:	InChI=1S/C7H15NO/c9-7-6-8-4-2-1-3-5-8/h9H,1-7H2
InchiKey:	KZTWONRVIPPDKH-UHFFFAOYSA-N
Formula:	C7H15NO
SMILES:	OCCN1CCCCC1
Mol. weight [g/mol]:	129.20
CAS:	3040-44-6

Physical Properties

Property code	Value	Unit	Source
hvap	64.20 ± 0.80	kJ/mol	NIST Webbook
log10ws	-0.48		Crippen Method
logp	0.465		Crippen Method
mcvol	114.480	ml/mol	McGowan Method
rinpol	1080.00		NIST Webbook
rinpol	1069.00		NIST Webbook
ripol	1720.00		NIST Webbook
tb	473.70	K	NIST Webbook

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	363.20	K	1.60	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3040446&Units=SI

Legend

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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure