THIAZOLIDINE, 2-ETHYL-

Other names: 2-Ethylthiazolidine
Inchi: InChI=1S/C5H11NS/c1-2-5-6-3-4-7-5/h5-6H,2-4H2,1H3
InchiKey: SZLVYXIKAAFTFY-UHFFFAOYSA-N
Formula: C5H11NS
SMILES: CCC1NCCS1
Mol. weight [g/mol]: 117.22

Physical Properties

Property code	Value	Unit	Source
hfus	15.89	kJ/mol	Joback Method
logp	1.059		Crippen Method
mcvol	96.780	ml/mol	McGowan Method
rinpol	983.00		NIST Webbook
rinpol	991.00		NIST Webbook
rinpol	983.00		NIST Webbook
rinpol	1034.00		NIST Webbook
rinpol	1024.00		NIST Webbook
rinpol	991.00		NIST Webbook
rinpol	1024.00		NIST Webbook
ripol	1514.00		NIST Webbook
ripol	1513.00		NIST Webbook
ripol	1514.00		NIST Webbook
ripol	1513.00		NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	181.28	J/mol×K	425.46	Joback Method
cpg	194.47	J/mol×K	462.83	Joback Method
cpg	206.97	J/mol×K	500.20	Joback Method
cpg	218.80	J/mol×K	537.57	Joback Method
cpg	229.99	J/mol×K	574.94	Joback Method
cpg	240.56	J/mol×K	612.31	Joback Method
cpg	250.52	J/mol×K	649.68	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C24050097&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices