Vinylsulphonamide

Inchi: InChI=1S/C2H5NO2S/c1-2-6(3,4)5/h2H,1H2,(H2,3,4,5)
InchiKey: JOXWSDNHLSQKCC-UHFFFAOYSA-N
Formula: C2H5NO2S
SMILES: C=CS(N)(=O)=O
Mol. weight [g/mol]: 107.13

Physical Properties

Property code	Value	Unit	Source
hf	-240.13	kJ/mol	Cheméo Relay (1.0)
hfus	16.23	kJ/mol	Joback Method
hvap	58.01	kJ/mol	Cheméo Relay (1.0)
ie	10.74	eV	Cheméo Relay (1.0)
logp	-0.582		Crippen Method
mcvol	72.810	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	123.04	J/mol×K	362.15	Joback Method
cpg	129.05	J/mol×K	392.97	Joback Method
cpg	134.85	J/mol×K	423.79	Joback Method
cpg	140.44	J/mol×K	454.62	Joback Method
cpg	145.80	J/mol×K	485.44	Joback Method
cpg	150.94	J/mol×K	516.26	Joback Method
cpg	155.85	J/mol×K	547.08	Joback Method

Sources

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=C2386585&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume