Acetic acid, mercapto-, hydrazide

Inchi: InChI=1S/C2H6N2OS/c3-4-2(5)1-6/h6H,1,3H2,(H,4,5)
InchiKey: VLERMNIUDRUNQO-UHFFFAOYSA-N
Formula: C2H6N2OS
SMILES: NN=C(O)CS
Mol. weight [g/mol]: 106.15
CAS: 760-30-5

Physical Properties

Property code	Value	Unit	Source
hf	-92.14	kJ/mol	Joback Method
hvap	57.50	kJ/mol	Joback Method
log10ws	-0.14		Crippen Method
logp	-0.254		Crippen Method
mcvol	76.920	ml/mol	McGowan Method
pc	5944.56	kPa	Joback Method
tb	549.29	K	Joback Method
tc	772.29	K	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=C760305&Units=SI

Legend

hf: Enthalpy of formation 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