Cysteine hydrazide

Inchi: InChI=1S/C3H9N3OS/c4-2(1-8)3(7)6-5/h2,8H,1,4-5H2,(H,6,7)
InchiKey: IQIYDJRAZKPGKO-UHFFFAOYSA-N
Formula: C3H9N3OS
SMILES: NN=C(O)C(N)CS
Mol. weight [g/mol]:   135.19
CAS: 70470-68-7

Physical Properties

Property code	Value	Unit	Source
hf	-84.27	kJ/mol	Joback Method
hvap	69.98	kJ/mol	Joback Method
log10ws	-0.10		Crippen Method
logp	-0.926		Crippen Method
mcvol	100.990	ml/mol	McGowan Method
pc	5670.27	kPa	Joback Method
tb	644.26	K	Joback Method
tc	875.31	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C70470687&Units=SI
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

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

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