

Chloroacetyl hydrazine

Inchi: InChI=1S/C2H5CIN2O/c3-1-2(6)5-4/h1,4H2,(H,5,6)
InchiKey: VHFJFUOFTHTNI-UHFFFAOYSA-N
Formula: C2H5CIN2O
SMILES: NN=C(O)CCI
Mol. weight [g/mol]: 108.53
CAS: 30956-28-6

Physical Properties

Property code	Value	Unit	Source
hf	-146.36	kJ/mol	Joback Method
hvap	55.15	kJ/mol	Joback Method
log10ws	-0.22		Crippen Method
logp	0.055		Crippen Method
mcvol	72.810	ml/mol	McGowan Method
pc	5116.65	kPa	Joback Method
tb	523.86	K	Joback Method
tc	731.65	K	Joback Method

Sources

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=C30956286&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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