

«alpha»-Isopropylideneaminoxypropionic acid

Other names:	2-Isopropylideneaminoxypropionic acid
Inchi:	InChI=1S/C6H11NO3/c1-4(2)7-10-5(3)6(8)9/h5H,1-3H3,(H,8,9)
InchiKey:	DVTXLRLNACCF-UHFFFAOYSA-N
Formula:	C6H11NO3
SMILES:	CC(C)=NOC(C)C(=O)O
Mol. weight [g/mol]:	145.16
CAS:	5001-36-5

Physical Properties

Property code	Value	Unit	Source
hf	-497.05	kJ/mol	Joback Method
hvap	57.79	kJ/mol	Joback Method
log10ws	-0.79		Crippen Method
logp	0.872		Crippen Method
mcvol	114.390	ml/mol	McGowan Method
pc	3272.78	kPa	Joback Method
tb	581.27	K	Joback Method
tc	774.62	K	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C5001365&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

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