Propanoic acid, 2-[[(1-methylethylidene)amino]oxy]-, ethyl ester

Othernames: Ethyl «alpha»-[isopropylideneaminooxy]propionate
Propionic acid, 2-[(isopropylideneamino)oxy]- ethyl ester
Inchi: InChI=1S/C8H15NO3/c1-5-11-8(10)7(4)12-9-6(2)3/h7H,5H2,1-4H3
InchiKey: YXSVQLSROJMFIP-UHFFFAOYSA-N
Formula: C8H15NO3
SMILES: CCOC(=O)C(C)ON=C(C)C
Mol. weight [g/mol]: 173.21
CAS: 54716-29-9

Physical Properties

Property code	Value	Unit	Source
hf	-518.32	kJ/mol	Joback Method
hvap	47.97	kJ/mol	Joback Method
log10ws	-1.39		Crippen Method
logp	1.350		Crippen Method
mcvol	142.570	ml/mol	McGowan Method
pc	2381.86	kPa	Joback Method
tb	557.27	K	Joback Method
tc	755.84	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C54716299&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

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