1-Butanamine, N-butylidene-

Other names: Butylamine, N-butylidene-
N-Butylidene-1-butanamine
N-Butylidenebutylamine
Inchi: InChI=1S/C8H17N/c1-3-5-7-9-8-6-4-2/h7H,3-6,8H2,1-2H3
InchiKey: GMYLJUMIAPOWOO-UHFFFAOYSA-N
Formula: C8H17N
SMILES: CCCC=NCCCC
Mol. weight [g/mol]: 127.23
CAS: 4853-56-9

Physical Properties

Property code	Value	Unit	Source
hf	-126.23	kJ/mol	Joback Method
hvap	36.72	kJ/mol	Joback Method
log10ws	-2.34		Crippen Method
logp	2.657		Crippen Method
mcvol	129.260	ml/mol	McGowan Method
pc	2287.14	kPa	Joback Method
tb	459.12	K	Joback Method
tc	643.47	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=C4853569&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