1-Butanamine, N-nitroso-N-propyl-

Other names:	Butylamine, N-nitroso-N-propyl-
	N-Propyl-N-butylnitrosamine
	N-(Nitrosobutyl)propylamine
Inchi:	InChI=1S/C7H16N2O/c1-3-5-7-9(8-10)6-4-2/h3-7H2,1-2H3
InchiKey:	SVTBQUKRCVPUHS-UHFFFAOYSA-N
Formula:	C7H16N2O
SMILES:	CCCCN(CCC)N=O
Mol. weight [g/mol]:	144.21
CAS:	25413-64-3

Physical Properties

Property code	Value	Unit	Source
hf	-288.47	kJ/mol	Joback Method
hvap	42.32	kJ/mol	Joback Method
log10ws	-2.51		Crippen Method
logp	2.180		Crippen Method
mcvol	131.020	ml/mol	McGowan Method
pc	2741.15	kPa	Joback Method
tb	435.40	K	Joback Method
tc	600.60	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C25413643&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

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