Dipentylamine, N-nitroso-

Other names:	1-Pentanamine, N-nitroso-N-pentyl-
	Diamylnitrosamine
	Dipentylnitrosamine
	Dipentylnitrosoamine
	N-Nitrosodi-n-amylamine
	N-Nitrosodiamylamine
	N-Nitrosodipentylamine
	Di-N-amylnitrosamine
	Di-N-pentylnitrosamine
	Diamylnitrosamin
	N-Nitrosodi-N-pentylamine
	Nitrosodi-N-pentylamine
	N,N-Dipentylnitrosamine
	NSC 73601
Inchi:	InChI=1S/C10H22N2O/c1-3-5-7-9-12(11-13)10-8-6-4-2/h3-10H2,1-2H3
InchiKey:	OELWBYBVFOLSTA-UHFFFAOYSA-N
Formula:	C10H22N2O
SMILES:	CCCCCN(CCCCC)N=O
Mol. weight [g/mol]:	186.29
CAS:	13256-06-9

Physical Properties

Property code	Value	Unit	Source
hf	-350.39	kJ/mol	Joback Method
hvap	48.99	kJ/mol	Joback Method
log10ws	-3.76		Crippen Method
logp	3.350		Crippen Method
mcvol	173.290	ml/mol	McGowan Method
pc	2069.88	kPa	Joback Method
rinpol	1510.00		NIST Webbook
rinpol	1510.00		NIST Webbook
tb	504.04	K	Joback Method
tc	666.64	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=C13256069&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature