Di-n-propyl ketone n-propylhydrazone

Inchi: InChI=1S/C10H22N2/c1-4-7-10(8-5-2)12-11-9-6-3/h11H,4-9H2,1-3H3
InchiKey: OUZYMGDKCXTXFX-UHFFFAOYSA-N
Formula: C10H22N2
SMILES: CCCNN=C(CCC)CCC
Mol. weight [g/mol]: 170.30
CAS: 76754-44-4

Physical Properties

Property code	Value	Unit	Source
chl	-6972.20 ± 2.10	kJ/mol	NIST Webbook
hf	-123.83	kJ/mol	Joback Method
hfl	-107.10 ± 2.10	kJ/mol	NIST Webbook
hvap	47.68	kJ/mol	Joback Method
log10ws	-3.35		Crippen Method
logp	2.942		Crippen Method
mcvol	167.420	ml/mol	McGowan Method
pc	1949.23	kPa	Joback Method
tb	554.93	K	Joback Method
tc	740.74	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C76754444&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

chl: Standard liquid enthalpy of combustion

hf:	Enthalpy of formation at standard conditions
hfl:	Liquid phase 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