

Phenylacetamide, N-hexyl-

Inchi:	InChI=1S/C14H21NO/c1-2-3-4-8-11-15-14(16)12-13-9-6-5-7-10-13/h5-7,9-10H,2-4,8,11-
InchiKey:	VXDYXJYGPZGEQX-UHFFFAOYSA-N
Formula:	C14H21NO
SMILES:	CCCCCN=C(O)Cc1ccccc1
Mol. weight [g/mol]:	219.32

Physical Properties

Property code	Value	Unit	Source
hf	-175.56	kJ/mol	Joback Method
hvap	69.11	kJ/mol	Joback Method
log10ws	-3.77		Crippen Method
logp	3.766		Crippen Method
mcvol	195.910	ml/mol	McGowan Method
pc	1994.77	kPa	Joback Method
rinpol	1895.00		NIST Webbook
rinpol	1895.00		NIST Webbook
tb	715.14	K	Joback Method
tc	915.31	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U407226&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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