

Benzamide, 2-methyl-N-nonyl-

Inchi: InChI=1S/C17H27NO/c1-3-4-5-6-7-8-11-14-18-17(19)16-13-10-9-12-15(16)2/h9-10,12-13
InchiKey: UEVCPOQGIDKBCV-UHFFFAOYSA-N
Formula: C17H27NO
SMILES: CCCCCCCCN=C(O)c1cccc1C
Mol. weight [g/mol]: 261.40

Physical Properties

Property code	Value	Unit	Source
hf	-248.95	kJ/mol	Joback Method
hvap	76.45	kJ/mol	Joback Method
log10ws	-5.18		Crippen Method
logp	5.050		Crippen Method
mcvol	238.180	ml/mol	McGowan Method
pc	1547.57	kPa	Joback Method
rinpol	2228.00		NIST Webbook
rinpol	2228.00		NIST Webbook
tb	788.76	K	Joback Method
tc	986.19	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U407401&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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