Benzamide, 2-methyl-N-octyl-

Inchi: InChI=1S/C16H25NO/c1-3-4-5-6-7-10-13-17-16(18)15-12-9-8-11-14(15)2/h8-9,11-12H,3-
InchiKey: OWDDBMRGRZWRBQ-UHFFFAOYSA-N
Formula: C16H25NO
SMILES: CCCCCCCCN=C(O)c1ccccc1C
Mol. weight [g/mol]: 247.38

Physical Properties

Property code	Value	Unit	Source
hf	-228.31	kJ/mol	Joback Method
hvap	74.22	kJ/mol	Joback Method
log10ws	-4.77		Crippen Method
logp	4.660		Crippen Method
mcvol	224.090	ml/mol	McGowan Method
pc	1671.43	kPa	Joback Method
rinpol	2123.00		NIST Webbook
rinpol	2123.00		NIST Webbook
tb	765.88	K	Joback Method
tc	963.96	K	Joback Method

Sources

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=U407400&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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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