Benzamide, 2-methyl-N-decyl-

Inchi: InChI=1S/C18H29NO/c1-3-4-5-6-7-8-9-12-15-19-18(20)17-14-11-10-13-16(17)2/h10-11,1

InchiKey: AXOFHDKTESVESQ-UHFFFAOYSA-N

Formula: C18H29NO

SMILES: CCCCCCCCCCN=C(O)c1ccccc1C

Mol. weight [g/mol]: 275.43

Physical Properties

Property code	Value	Unit	Source
hf	-269.59	kJ/mol	Joback Method
hvap	78.67	kJ/mol	Joback Method
log10ws	-5.60		Crippen Method
logp	5.440		Crippen Method
mcvol	252.270	ml/mol	McGowan Method
pc	1436.98	kPa	Joback Method
rinpol	2336.00		NIST Webbook
rinpol	2336.00		NIST Webbook
tb	811.64	K	Joback Method
tc	1009.03	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407402&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

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