

Benzamide, 2-chloro-N-hexadecyl-

Inchi: InChI=1S/C23H38ClNO/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-17-20-25-23(26)21-18-15-16
InchiKey: RTDNVBOUDYBYEC-UHFFFAOYSA-N
Formula: C23H38ClNO
SMILES: CCCCCCCCCCCCCCN=C(O)c1cccc1Cl
Mol. weight [g/mol]: 380.01

Physical Properties

Property code	Value	Unit	Source
hf	-388.53	kJ/mol	Joback Method
hvap	94.19	kJ/mol	Joback Method
log10ws	-8.32		Crippen Method
logp	8.126		Crippen Method
mcvol	334.960	ml/mol	McGowan Method
pc	1004.62	kPa	Joback Method
rinpol	3062.00		NIST Webbook
rinpol	3062.00		NIST Webbook
tb	963.47	K	Joback Method
tc	1179.56	K	Joback Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U407442&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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