Benzamide, 3-chloro-N-dodecyl-

Inchi: InChI=1S/C19H30ClNO/c1-2-3-4-5-6-7-8-9-10-11-15-21-19(22)17-13-12-14-18(20)16-17
InchiKey: KHBCCYQNUVDKKI-UHFFFAOYSA-N
Formula: C19H30ClNO
SMILES: CCCCCCCCCCCCN=C(O)c1cccc(Cl)c1
Mol. weight [g/mol]: 323.90

Physical Properties

Property code	Value	Unit	Source
hf	-305.97	kJ/mol	Joback Method
hvap	85.28	kJ/mol	Joback Method
log10ws	-6.65		Crippen Method
logp	6.566		Crippen Method
mcvol	278.600	ml/mol	McGowan Method
pc	1302.35	kPa	Joback Method
rinpol	2690.00		NIST Webbook
rinpol	2690.00		NIST Webbook
tb	871.95	K	Joback Method
tc	1075.38	K	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U407984&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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