

N,N-Dimethyl-N'-decyl-p-chlorobenzamide

Inchi: InChI=1S/C19H31ClN2/c1-4-5-6-7-8-9-10-11-16-21-19(22(2)3)17-12-14-18(20)15-13-17
InchiKey: FWKIMLGFPCTHLV-UHFFFAOYSA-N
Formula: C19H31ClN2
SMILES: CCCCCCCCCN=C(c1ccc(Cl)cc1)N(C)C
Mol. weight [g/mol]: 322.92

Physical Properties

Property code	Value	Unit	Source
hf	-86.21	kJ/mol	Joback Method
hvap	70.65	kJ/mol	Joback Method
log10ws	-5.90		Crippen Method
logp	5.789		Crippen Method
mcvol	282.710	ml/mol	McGowan Method
pc	1218.29	kPa	Joback Method
rinpol	2260.00		NIST Webbook
tb	792.21	K	Joback Method
tc	995.19	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R159183&Units=SI>

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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