N,N-Dimethyl-N'-decyl-p-methoxybenzamidine

Inchi: InChI=1S/C20H34N2O/c1-5-6-7-8-9-10-11-12-17-21-20(22(2)3)18-13-15-19(23-4)16-14-
InchiKey: FRHJHEYKMDLMLY-UHFFFAOYSA-N
Formula: C20H34N2O
SMILES: CCCCCCCCCCN=C(c1ccc(OC)cc1)N(C)C
Mol. weight [g/mol]: 318.50

Physical Properties

Property code	Value	Unit	Source
hf	-223.33	kJ/mol	Joback Method
hvap	70.90	kJ/mol	Joback Method
log10ws	-5.33		Crippen Method
logp	5.144		Crippen Method
mcvol	290.430	ml/mol	McGowan Method
pc	1156.14	kPa	Joback Method
rinpol	2306.00		NIST Webbook
rinpol	2306.00		NIST Webbook
tb	800.08	K	Joback Method
tc	998.22	K	Joback Method

Sources

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
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R159198&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