

N,N-Dimethyl-N'-butyl-p-methoxybenzamide

Inchi: InChI=1S/C14H22N2O/c1-5-6-11-15-14(16(2)3)12-7-9-13(17-4)10-8-12/h7-10H,5-6,11H2
InchiKey: TYSVTMBBVZFYJU-CCEZHUSRSA-N
Formula: C14H22N2O
SMILES: CCCCNC=C(c1ccc(OC)cc1)N(C)C
Mol. weight [g/mol]: 234.34

Physical Properties

Property code	Value	Unit	Source
hf	-99.49	kJ/mol	Joback Method
hvap	57.54	kJ/mol	Joback Method
log10ws	-2.82		Crippen Method
logp	2.804		Crippen Method
mcvol	205.890	ml/mol	McGowan Method
pc	1787.88	kPa	Joback Method
rinpol	1774.00		NIST Webbook
tb	662.80	K	Joback Method
tc	871.43	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=R159118&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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