

N,N-Dimethyl-2-phenyl-N'-(4-methoxyphenyl)-acet

Inchi:	InChI=1S/C17H20N2O/c1-19(2)17(13-14-7-5-4-6-8-14)18-15-9-11-16(20-3)12-10-15/h4-
InchiKey:	PRDQYWSGQKDILG-ISLYRVAYSA-N
Formula:	C17H20N2O
SMILES:	COc1ccc(N=C(Cc2ccccc2)N(C)C)cc1
Mol. weight [g/mol]:	268.35

Physical Properties

Property code	Value	Unit	Source
hf	75.12	kJ/mol	Joback Method
hvap	66.50	kJ/mol	Joback Method
log10ws	-3.68		Crippen Method
logp	3.529		Crippen Method
mcvol	224.400	ml/mol	McGowan Method
pc	1854.71	kPa	Joback Method
rinpol	2281.00		NIST Webbook
tb	758.12	K	Joback Method
tc	994.66	K	Joback Method

Sources

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=R162213&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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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