p-Dimethylaminobenzylidene p-phenetidine

Inchi: InChI=1S/C17H20N2O/c1-4-20-17-11-7-15(8-12-17)18-13-14-5-9-16(10-6-14)19(2)3/h5-1
InchiKey: ULZYQFCXFXYXBU-UHFFFAOYSA-N
Formula: C17H20N2O
SMILES: CCOc1ccc(N=Cc2ccc(N(C)C)cc2)cc1
Mol. weight [g/mol]: 268.35
CAS: 15484-93-2

Physical Properties

Property code	Value	Unit	Source
hf	73.44	kJ/mol	Joback Method
hvap	67.08	kJ/mol	Joback Method
log10ws	-3.78		Crippen Method
logp	3.902		Crippen Method
mcvol	224.400	ml/mol	McGowan Method
pc	1823.17	kPa	Joback Method
tb	763.22	K	Joback Method
tc	996.96	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C15484932&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

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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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