P-tolu-p-toluidide

Inchi: InChI=1S/C15H15NO/c1-11-3-7-13(8-4-11)15(17)16-14-9-5-12(2)6-10-14/h3-10H,1-2H3,
InchiKey: IYSZSRMLCQIVAJ-UHFFFAOYSA-N
Formula: C15H15NO
SMILES: Cc1ccc(N=C(O)c2ccc(C)cc2)cc1
Mol. weight [g/mol]: 225.29
CAS: 6876-66-0

Physical Properties

Property code	Value	Unit	Source
hf	17.39	kJ/mol	Joback Method
hvap	74.93	kJ/mol	Joback Method
log10ws	-4.11		Crippen Method
logp	3.940		Crippen Method
mcvol	186.240	ml/mol	McGowan Method
pc	2417.12	kPa	Joback Method
tb	774.66	K	Joback Method
tc	1008.25	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6876660&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