p-n-Hexyloxybenzylidene-p'-toluidine

Inchi: InChI=1S/C20H25NO/c1-3-4-5-6-15-22-20-13-9-18(10-14-20)16-21-19-11-7-17(2)8-12-1
InchiKey: GTYQEUBRZFFBBA-UHFFFAOYSA-N
Formula: C20H25NO
SMILES: CCCCCCOc1ccc(C=Nc2ccc(C)cc2)cc1
Mol. weight [g/mol]: 295.42
CAS: 25959-51-7

Physical Properties

Property code	Value	Unit	Source
hf	-56.01	kJ/mol	Joback Method
hvap	71.71	kJ/mol	Joback Method
log10ws	-6.03		Crippen Method
logp	5.705		Crippen Method
mcvol	256.690	ml/mol	McGowan Method
pc	1447.94	kPa	Joback Method
ss	448.95	J/mol×K	NIST Webbook
tb	819.42	K	Joback Method
tc	1045.51	K	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	441.40	J/mol×K	298.15	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C25959517&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
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

cps:	Solid phase heat capacity
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
ss:	Solid phase molar entropy at standard conditions
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature