p-Decyloxybenzylidene p-toluidine

Inchi: InChI=1S/C24H33NO/c1-3-4-5-6-7-8-9-10-19-26-24-17-13-22(14-18-24)20-25-23-15-11-
InchiKey: JVFSSZJROUJXJD-UHFFFAOYSA-N
Formula: C24H33NO
SMILES: CCCCCCCCCCOc1ccc(C=Nc2ccc(C)cc2)cc1
Mol. weight [g/mol]: 351.52
CAS: 53764-62-8

Physical Properties

Property code	Value	Unit	Source
hf	-138.57	kJ/mol	Joback Method
hvap	80.62	kJ/mol	Joback Method
log10ws	-7.70		Crippen Method
logp	7.265		Crippen Method
mcvol	313.050	ml/mol	McGowan Method
pc	1102.28	kPa	Joback Method
tb	910.94	K	Joback Method
tc	1130.86	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C53764628&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