p-n-Hexyloxybenzylideneaniline

Inchi: InChI=1S/C19H23NO/c1-2-3-4-8-15-21-19-13-11-17(12-14-19)16-20-18-9-6-5-7-10-18/h5
InchiKey: IBVAICKBWALIQR-UHFFFAOYSA-N
Formula: C19H23NO
SMILES: CCCCCCOc1ccc(C=Nc2ccccc2)cc1
Mol. weight [g/mol]: 281.39
CAS: 5219-49-8

Physical Properties

Property code	Value	Unit	Source
hf	-23.90	kJ/mol	Joback Method
hvap	68.83	kJ/mol	Joback Method
log10ws	-5.55		Crippen Method
logp	5.396		Crippen Method
mcvol	242.600	ml/mol	McGowan Method
pc	1578.46	kPa	Joback Method
ss	424.16	J/mol×K	NIST Webbook
tb	791.56	K	Joback Method
tc	1020.05	K	Joback Method
tt	321.63 ± 0.02	K	NIST Webbook
tt	321.63 ± 0.02	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	404.52	J/mol×K	298.15	NIST Webbook
hfust	30.91	kJ/mol	321.60	NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C5219498&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

cps:	Solid phase heat capacity
hf:	Enthalpy of formation at standard conditions
hfust:	Enthalpy of fusion at a given temperature
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
tt:	Triple Point Temperature