

p-Cyanobenzylidene p-nonyloxyaniline

Inchi: InChI=1S/C23H28N2O/c1-2-3-4-5-6-7-8-17-26-23-15-13-22(14-16-23)25-19-21-11-9-20(
InchiKey: JWMSIRWJOWLGNS-UHFFFAOYSA-N
Formula: C23H28N2O
SMILES: CCCCCCCCCOc1ccc(N=Cc2ccc(C#N)cc2)cc1
Mol. weight [g/mol]: 348.48
CAS: 67363-89-7

Physical Properties

Property code	Value	Unit	Source
hf	46.95	kJ/mol	Joback Method
hvap	88.87	kJ/mol	Joback Method
log10ws	-7.16		Crippen Method
logp	6.438		Crippen Method
mcvol	300.340	ml/mol	McGowan Method
pc	1156.14	kPa	Joback Method
tb	990.14	K	Joback Method
tc	1224.24	K	Joback Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
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>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C67363897&Units=SI>

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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