

P,p'-[p-hydroxybenzylidene-bis(n,n-dimethylanilin

Inchi:	InChI=1S/C23H26N2O/c1-24(2)20-11-5-17(6-12-20)23(19-9-15-22(26)16-10-19)18-7-13
InchiKey:	ZTXGOUSDKAXJJB-UHFFFAOYSA-N
Formula:	C23H26N2O
SMILES:	CN(C)c1ccc(C(c2ccc(O)cc2)c2ccc(N(C)C)cc2)cc1
Mol. weight [g/mol]:	346.47
CAS:	652-46-0

Physical Properties

Property code	Value	Unit	Source
gf	525.25	kJ/mol	Joback Method
hf	121.07	kJ/mol	Joback Method
hfus	44.97	kJ/mol	Joback Method
hvap	91.66	kJ/mol	Joback Method
log10ws	-4.62		Crippen Method
logp	4.704		Crippen Method
mcvol	289.480	ml/mol	McGowan Method
pc	1874.03	kPa	Joback Method
tb	920.70	K	Joback Method
tc	1167.39	K	Joback Method
tf	614.93	K	Joback Method
vc	0.996	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	911.13	J/molxK	920.70	Joback Method
cpg	928.17	J/molxK	961.81	Joback Method
cpg	944.41	J/molxK	1002.93	Joback Method
cpg	960.06	J/molxK	1044.04	Joback Method
cpg	975.30	J/molxK	1085.16	Joback Method
cpg	990.36	J/molxK	1126.27	Joback Method
cpg	1005.45	J/molxK	1167.39	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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=C652460&Units=SI

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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