2,2',6,6'-(Dimethylaminomethyl)-4,4'-diphenol

Inchi: InChI=1S/C24H38N4O2/c1-25(2)13-19-9-17(10-20(23(19)29)14-26(3)4)18-11-21(15-27(5
InchiKey: CMOIGOOKBNVVRE-UHFFFAOYSA-N
Formula: C24H38N4O2
SMILES: CN(C)Cc1cc(-c2cc(CN(C)C)c(O)c(CN(C)C)c2)cc(CN(C)C)c1O
Mol. weight [g/mol]: 414.58

Physical Properties

Property code	Value	Unit	Source
gf	471.38	kJ/mol	Joback Method
hf	-196.01	kJ/mol	Joback Method
hfus	68.09	kJ/mol	Joback Method
hvap	110.42	kJ/mol	Joback Method
log10ws	-4.32		Crippen Method
logp	3.011		Crippen Method
mcvol	353.160	ml/mol	McGowan Method
pc	1445.73	kPa	Joback Method
tb	1032.80	K	Joback Method
tc	1265.96	K	Joback Method
tf	816.48	K	Joback Method
vc	1.167	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1222.85	J/mol×K	1032.80	Joback Method
cpg	1243.56	J/mol×K	1071.66	Joback Method
cpg	1264.34	J/mol×K	1110.52	Joback Method
cpg	1285.42	J/mol×K	1149.38	Joback Method
cpg	1307.02	J/mol×K	1188.24	Joback Method
cpg	1329.38	J/mol×K	1227.10	Joback Method
cpg	1352.70	J/mol×K	1265.96	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6004000&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
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume