di-(1-phenylethyl)-amine, N-methyl

Inchi: InChI=1S/C17H21N/c1-14(16-10-6-4-7-11-16)18(3)15(2)17-12-8-5-9-13-17/h4-15H,1-3H
InchiKey: GCYRVQJTTNEQRA-UHFFFAOYSA-N
Formula: C17H21N
SMILES: CC(c1ccccc1)N(C)C(C)c1ccccc1
Mol. weight [g/mol]: 239.36

Physical Properties

Property code	Value	Unit	Source
gf	422.98	kJ/mol	Joback Method
hf	135.82	kJ/mol	Joback Method
hfus	23.84	kJ/mol	Joback Method
hvap	59.26	kJ/mol	Joback Method
log10ws	-4.63		Crippen Method
logp	4.441		Crippen Method
mcvol	212.850	ml/mol	McGowan Method
pc	2115.83	kPa	Joback Method
rinpol	1781.00		NIST Webbook
rinpol	1792.00		NIST Webbook
rinpol	1781.00		NIST Webbook
tb	653.28	K	Joback Method
tc	884.65	K	Joback Method
tf	336.66	K	Joback Method
vc	0.777	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	564.41	J/mol×K	653.28	Joback Method
cpg	584.41	J/mol×K	691.84	Joback Method
cpg	602.92	J/mol×K	730.40	Joback Method
cpg	620.02	J/mol×K	768.96	Joback Method
cpg	635.82	J/mol×K	807.53	Joback Method
cpg	650.40	J/mol×K	846.09	Joback Method
cpg	663.87	J/mol×K	884.65	Joback Method

Sources

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=R279391&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume