

N,n-dimethyl-p-2-naphthylazoaniline

Inchi:	InChI=1S/C18H17N3/c1-21(2)18-11-9-16(10-12-18)19-20-17-8-7-14-5-3-4-6-15(14)13-17
InchiKey:	RGYAGKVUDLVFOW-FMQUCBEESA-N
Formula:	C18H17N3
SMILES:	CN(C)c1ccc(N=Nc2ccc3ccccc3c2)cc1
Mol. weight [g/mol]:	275.35
CAS:	613-65-0

Physical Properties

Property code	Value	Unit	Source
hf	341.09	kJ/mol	Joback Method
hvap	71.89	kJ/mol	Joback Method
log10ws	-5.22		Crippen Method
logp	5.321		Crippen Method
mcvol	223.140	ml/mol	McGowan Method
pc	1837.26	kPa	Joback Method
tb	855.18	K	Joback Method
tc	1115.96	K	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C613650&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

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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