3-(CH3)2NC6H4C(CH3)=CH2

Inchi: InChI=1S/C11H15N/c1-9(2)10-6-5-7-11(8-10)12(3)4/h5-8H,1H2,2-4H3
InchiKey: XXTKOTBGONGHJQ-UHFFFAOYSA-N
Formula: C11H15N
SMILES: C=C(C)c1cccc(N(C)C)c1
Mol. weight [g/mol]: 161.24
CAS: 35843-88-0

Physical Properties

Property code	Value	Unit	Source
affp	946.20	kJ/mol	NIST Webbook
basg	915.50	kJ/mol	NIST Webbook
gf	334.59	kJ/mol	Joback Method
hf	137.86	kJ/mol	Joback Method
hfus	18.33	kJ/mol	Joback Method
hvap	44.47	kJ/mol	Joback Method
log10ws	-2.62		Crippen Method
logp	2.786		Crippen Method
mcvol	147.770	ml/mol	McGowan Method
pc	2732.56	kPa	Joback Method
tb	491.74	K	Joback Method
tc	700.53	K	Joback Method
tf	269.42	K	Joback Method
vc	0.543	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	316.10	J/mol×K	491.74	Joback Method
cpg	332.21	J/mol×K	526.54	Joback Method
cpg	347.36	J/mol×K	561.34	Joback Method
cpg	361.59	J/mol×K	596.14	Joback Method
cpg	374.95	J/mol×K	630.93	Joback Method
cpg	387.48	J/mol×K	665.73	Joback Method
cpg	399.23	J/mol×K	700.53	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C35843880&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

affp:	Proton affinity
basg:	Gas basicity
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