

Formamidine, 1-isobutyl-3,3-dimethyl

Other names:	N,N-Dimethyl-N'-isobutyl-formamidine
Inchi:	InChI=1S/C7H16N2/c1-7(2)5-8-6-9(3)4/h6-7H,5H2,1-4H3
InchiKey:	HWEIPIXVVKGYFO-UHFFFAOYSA-N
Formula:	C7H16N2
SMILES:	CC(C)CN=CN(C)C
Mol. weight [g/mol]:	128.22

Physical Properties

Property code	Value	Unit	Source
hf	-43.34	kJ/mol	Joback Method
hvap	36.14	kJ/mol	Joback Method
log10ws	-0.74		Crippen Method
logp	1.232		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2527.73	kPa	Joback Method
rinpol	938.00		NIST Webbook
rinpol	938.00		NIST Webbook
rinpol	938.00		NIST Webbook
tb	448.24	K	Joback Method
tc	636.48	K	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=R118380&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

hf:	Enthalpy of formation at standard conditions
hvac:	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

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