

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
affp	1014.50	kJ/mol	NIST Webbook
basg	982.00	kJ/mol	NIST Webbook
logp	1.232		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
rinpol	938.00		NIST Webbook
rinpol	938.00		NIST Webbook

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C67161186&Units=SI

Legend

affp:	Proton affinity
basg:	Gas basicity
logp:	Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/44-121-8/Formamidine-1-isobutyl-3-3-dimethyl.pdf>

Generated by Cheméo on 2026-07-22 00:15:49.535236468 +0000 UTC m=+190445.377121875.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.