

1-Dodecanamine, N-isopropylidene

Inchi: InChI=1S/C15H31N/c1-4-5-6-7-8-9-10-11-12-13-14-16-15(2)3/h4-14H2,1-3H3
InchiKey: OKBMSFYKICLGBK-UHFFFAOYSA-N
Formula: C15H31N
SMILES: CCCCCCCCCCCCN=C(C)C
Mol. weight [g/mol]: 225.41

Physical Properties

Property code	Value	Unit	Source
hf	-280.50	kJ/mol	Joback Method
hvap	52.38	kJ/mol	Joback Method
log10ws	-5.27		Crippen Method
logp	5.388		Crippen Method
mcvol	227.890	ml/mol	McGowan Method
pc	1314.65	kPa	Joback Method
rinsol	1641.00		NIST Webbook
tb	619.16	K	Joback Method
tc	795.08	K	Joback Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R64863&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method: https://en.wikipedia.org/wiki/Joback_method
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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