2-Propanamine, N-ethyl-N-(1-methylethyl)-

Other names:	(CH3)2CHN(C2H5)CH(CH3)2
	(i-C3H7)2(C2H5)N
	1,1'-Dimethyltriethylamine
	Bis(1-methylethyl)ethylamine
	Ethyldiisopropylamine
	Hunig's base
	Hunig's reagent
	N,N-diisopropylethylamine
	N-Ethyl-N,N-diisopropylamine
	N-ethyl-N-(1-methylethyl)-1-methylethanamine
	N-ethyl-N-isopropylisopropylamine
	N-ethyldiisopropylamine
	NSC 147491
	Triethylamine, 1,1'-dimethyl-
Inchi:	InChI=1S/C8H19N/c1-6-9(7(2)3)8(4)5/h7-8H,6H2,1-5H3
InchiKey:	JGFZNNIVVJXRND-UHFFFAOYSA-N
Formula:	C8H19N
SMILES:	CCN(C(C)C)C(C)C
Mol. weight [g/mol]:	129.25

Physical Properties

Property code	Value	Unit	Source
affp	994.30	kJ/mol	NIST Webbook
basg	963.50	kJ/mol	NIST Webbook
hfus	12.45	kJ/mol	Joback Method
logp	2.125		Crippen Method
mcvol	133.560	ml/mol	McGowan Method
tb	399.70	K	NIST Webbook
tf	184.49	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	261.03	J/mol×K	394.00	Joback Method

cpg	275.94	J/mol×K	422.29	Joback Method
cpg	290.24	J/mol×K	450.59	Joback Method
cpg	303.95	J/mol×K	478.88	Joback Method
cpg	317.09	J/mol×K	507.17	Joback Method
cpg	329.67	J/mol×K	535.46	Joback Method
cpg	341.72	J/mol×K	563.76	Joback Method
rhol	742.00	kg/m3	298.15	Physico-Chemical Properties of Non-Newtonian Shear Thickening Diisopropyl-ethylammonium-Based Protic Ionic Liquids and Their Mixtures with Water and Acetonitrile

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Physico-Chemical Properties of Non-Newtonian Shear Thickening Diisopropyl-ethylammonium-Based Protic Ionic Liquids and Their Mixtures with Water and Acetonitrile: https://www.doi.org/10.1021/je101191e

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C7087685&Units=SI

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

Legend

affp: Proton affinity
basg: Gas basicity
cpg: Ideal gas heat capacity
hfus: Enthalpy of fusion at standard conditions
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rhol: Liquid Density
tb: Normal Boiling Point Temperature
tf: Normal melting (fusion) point