Betaine

Other names: (carboxymethyl)trimethylammonium hydroxide inner salt

(trimethylammonio)acetate

1-Carboxy-N,N,N-trimethylmethanaminium hydroxide, inner salt

2-(Trimethylammonio)ethanoic acid, hydroxide, inner salt

Abromine Cystadane

Glycine betaine

Glycine, trimethylbetaine

Glycocoll betaine Glycylbetaine Loramine AMB-13

Lycine

Methanaminium, 1-carboxy-N,N,N-trimethyl-, hydroxide, inner salt

Methanaminium, 1-carboxy-N,N,N-trimethyl-, inner salt

Oxyneurine Rubrine C

Trimethylaminoacetate
Trimethylaminoacetic acid

Trimethylglycine Trimethylglycocoll «alpha»-Earleine

Inchi: InChl=1S/C5H11NO2/c1-6(2,3)4-5(7)8/h4H2,1-3H3

InchiKey: KWIUHFFTVRNATP-UHFFFAOYSA-N

Formula: C5H11NO2

SMILES: C[N+](C)(C)CC(=O)[O-]

Mol. weight [g/mol]: 117.15 CAS: 107-43-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.24		Crippen Method
logp	-1.557		Crippen Method
mcvol	98.730	ml/mol	McGowan Method

Sources

The hydration of the protein stabilizing agents: Trimethylamine-N-oxide,
ভূপিনাক্রান্থানির বিদ্যালিক করিছার বিদ্যালিক করিছার বাব্যালিক করিছার বিদ্যালিক করিছার বিদ্যালিক করিছার বাব্যালিক করেছার বাব্যা

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N-oxide and betaine on the รักษายังไร่เพาะายเรื่อยย่าดกา zwitterionic The modunaties of Betaine in ปีสีโอคชาวี PME 32 Vivents and Binary

Mixtures: Compatible solutes: Thermodynamic properties relevant for effective Bestiedtmalatianlymesandipartiesmolar isentropic compressibility study of Blysheabersmerine of the study of alteriors of the study of alteriors of the study of alteriors of the study of keitaje Patures T = 288.15 318.15 K:

https://www.doi.org/10.1016/j.jct.2013.01.023 https://www.doi.org/10.1016/j.tca.2014.03.042

http://webbook.nist.gov/cgi/cbook.cgi?ID=C107437&Units=SI

http://pubs.acs.org/doi/abs/10.1021/ci990307l

Modulation of molecular interactions of https://www.doi.org/10.1016/j.jct.2019.05.016

https://www.doi.org/10.1016/j.jct.2012.05.031

https://www.doi.org/10.1021/acs.jced.7b00102

https://www.doi.org/10.1016/j.fluid.2017.05.001

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https://www.doi.org/10.1021/acs.jced.7b01037

https://www.chemeo.com/doc/models/crippen_log10ws

Deep Eutectic Solvents: Counteracting effects of trimethylamine https://www.doi.org/10.1016/j.tca.2009.02.017

https://www.doi.org/10.1021/je2011659

http://link.springer.com/article/10.1007/BF02311772

https://www.doi.org/10.1016/j.fluid.2015.07.004

https://www.doi.org/10.1016/j.tca.2013.08.002

https://www.doi.org/10.1016/j.jct.2018.12.017

Legend

log10ws: Log10 of Water solubility in mol/l logp: Octanol/Water partition coefficient mcvol: McGowan's characteristic volume

Latest version available from:

https://www.chemeo.com/cid/12-895-5/Betaine.pdf

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