Choline chloride

Other names:	(.betahydroxyethyl)trimethylammonium chloride (2-hydroxyethyl)trimethylammonium chloride		
	2-hydroxy-N,N,N-trimethylethanaminium chloride		
	cholinium chloride		
	trimethyl(2-hydroxyethyl)ammonium chloride		
Inchi:	InChI=1S/C5H14NO.CIH/c1-6(2,3)4-5-7;/h7H,4-5H2,1-3H3;1H/q+1;/p-1		
InchiKey:	SGMZJAMFUVOLNK-UHFFFAOYSA-M		
Formula:	C5H14CINO		
SMILES:	C[N+](C)(C)CCO.[CI-]		
Mol. weight [g/mol]:	139.62		
CAS:	67-48-1		

Physical Properties

Property code	Value	Unit	Source
tf	577.20	К	Formation of Deep Eutectic Solvents by Phenols and Choline Chloride and Their Physical Properties
tt	351.62	К	Thermal Properties of Choline Chloride/Urea System Studied under Moisture-Free Atmosphere

Sources

Prediction of refractive index and density of deep eutectic solvents using southelity of mattensioxide in a eutectic mixture of choline chloride after growing study of raw pressives? aqueous deep eutectic solvent Southelity of the eutectic solvent absorption by Low-Viscosity, **Repeiting aved Visco Stitescric (Solvents:** Chloride + Urea) Deep Eutectic Solvent The move busical Winter the south of the eutectic Solvent and the euter of the eutectic Solvent and atter) enhanced by deep based on choline chloride and glycerol and the eutect of water on their intermolecular interactions:

https://www.doi.org/10.1016/j.fluid.2013.06.050 https://www.doi.org/10.1016/j.jct.2012.08.025 https://www.doi.org/10.1016/j.fluid.2018.06.018 https://www.doi.org/10.1021/acs.jced.9b00173 https://www.doi.org/10.1021/je5001796 https://www.doi.org/10.1021/acs.jced.7b00184 https://www.doi.org/10.1021/acs.jced.6b00552 https://www.doi.org/10.1016/j.fluid.2017.03.010 https://www.doi.org/10.1016/j.fluid.2012.08.016 https://www.doi.org/10.1016/j.fluid.2017.01.022

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2-hydroxy-N,N,N-trimethylethanaminium chlorides based ionic liquids at several temperatures:

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High-pressure volumetric properties of https://www.doi.org/10.1016/j.tca.2012.07.024 choline chloride-ethylene glycol based Green and the second second and the ministration of the second se

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Study of the pseudo-ternary aqueous two-phase systems of deep eutectic

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Legend

tf: Normal melting (fusion) point tt: Triple Point Temperature

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