## Tetramethylammonium chloride

Other names:	Ammonium, tetramethyl-, chloride
	Methanaminium, N,N,N-trimethyl-, chloride
	TMAC
	USAF AN-8
Inchi:	InChI=1S/C4H12N.CIH/c1-5(2,3)4;/h1-4H3;1H/q+1;/p-1
InchiKey:	OKIZCWYLBDKLSU-UHFFFAOYSA-M
Formula:	C4H12CIN
SMILES:	C[N+](C)(C)C.[CI-]
Mol. weight [g/mol]:	109.60
CAS:	75-57-0

## **Physical Properties**

Property code	Value	Unit	Source	
SS	190.71	J/mol×K	NIST Webbook	
tf	612.87	К	Measurement and PC-SAFT modeling of solid-liquid equilibrium of deep eutectic solvents of quaternary ammonium chlorides and carboxylic acids	
tf	614.70	К	Can cholinium chloride form eutectic solvents with organic chloride-based salts?	

## **Temperature Dependent Properties**

Property code	Value	Unit	Temperature [K]	Source
cps	156.94	J/mol×K	298.15	NIST Webbook

## Sources

Vapor Pressure Osmometry Determination of the Osmotic and Rbase could recent bight mass Are 602s Addivity control in the second design of the second Attraction of the second state of the secon compressibility property changes and ritiging period

https://www.doi.org/10.1021/je400821q https://www.doi.org/10.1016/j.fluid.2016.08.020 https://www.doi.org/10.1016/j.fluid.2018.01.019 http://webbook.nist.gov/cgi/cbook.cgi?ID=C75570&Units=SI

cps:	Solid phase heat capacity
SS:	Solid phase molar entropy at standard conditions

tf: Normal melting (fusion) point

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