

# tetramethylammonium bromide

Inchi:	InChI=1S/C4H12N.BrH/c1-5(2,3)4;/h1-4H3;1H/q+1;/p-1
InchiKey:	DDFYFBUWEBINLX-UHFFFAOYSA-M
Formula:	C4H12BrN
SMILES:	C[N+](C)(C)C.[Br-]
Mol. weight [g/mol]:	154.05
CAS:	64-20-0

## Physical Properties

Property code	Value	Unit	Source
ss	200.79	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	159.40	J/molxK	298.00	NIST Webbook
cps	161.67	J/molxK	298.15	NIST Webbook

## Sources

Viscometric study of glycine, L-alanine, glycerylglycine in aqueous solutions. <https://www.doi.org/10.1016/j.jct.2004.07.006>

Electrical Conductance of Some Tetraalkylammonium Bromide Salts in 2 and 30 MPa CO<sub>2</sub> in Water (2). <https://www.doi.org/10.1021/je4004405>

Decrease of  $\rho_{\text{CO}_2}$  in 20 MPa and Apparent Viscosities of Aqueous Solutions of Tetraalkylammonium Bromides. <https://www.doi.org/10.1021/je400821q>

Compressibilities of Tetraalkylammonium Bromides in Aqueous Solutions. <https://www.doi.org/10.1021/acs.jced.5b00964>

Acoustic Properties of Tetraalkylammonium Bromide Salts in Aqueous Solutions. <https://www.doi.org/10.1021/je0600810>

Thermal Conductivity Studies of Tetraalkylammonium Bromides in Aqueous Solutions. <https://www.doi.org/10.1016/j.jct.2003.09.008>

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Surface and Molecular Properties of Ionic Liquids: Dodecyl-3-methylimidazolium Bromide in Aqueous Solutions. <https://www.doi.org/10.1021/je5010005>

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Thermal Conductivity Studies of Tetraalkylammonium Bromides in Aqueous Solutions. <https://www.doi.org/10.1021/je800908h>

Thermal Conductivity Studies of Tetraalkylammonium Bromides in Aqueous Solutions. <https://www.doi.org/10.1016/j.fluid.2018.03.002>

Tetramethylammonium Bromide for aqueous biphasic extraction: A study with both polymers and electrolytes in aqueous solutions: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C64200&Units=SI>

# Legend

**cps:** Solid phase heat capacity  
**ss:** Solid phase molar entropy at standard conditions

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