

# Ethanaminium, N,N,N-triethyl-, iodide

Other names:	Ammonium, tetraethyl-, iodide Tetraethylammonium iodide Tetramon iodide Tetramon-I
Inchi:	InChI=1S/C8H20N.HI/c1-5-9(6-2,7-3)8-4;/h5-8H2,1-4H3;1H/q+1;/p-1
InchiKey:	UQFSVBXCNGCBBW-UHFFFAOYSA-M
Formula:	C8H20IN
SMILES:	CC[N+](CC)(CC)CC.[I-]
Mol. weight [g/mol]:	257.16
CAS:	68-05-3

## Physical Properties

Property code	Value	Unit	Source
ss	311.30	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	254.00	J/molxK	298.15	NIST Webbook
cps	254.40	J/molxK	298.15	NIST Webbook

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C68053&Units=SI>

Isopiestic determination of the osmotic <https://www.doi.org/10.1016/j.fluid.2006.09.025>

and activity coefficients of dilute <https://www.doi.org/10.1016/j.jct.2015.08.009>

investigation on solute solvent <https://www.doi.org/10.1016/j.jct.2015.10.022>

interactions of quaternary and <https://www.doi.org/10.1016/j.jct.2018.03.032>

thermodynamic study of N-acetyl <https://www.doi.org/10.1016/j.jct.2018.03.032>

glycyl-L-alanine iodide solutions <https://www.doi.org/10.1016/j.jct.2018.03.032>

at different temperatures with respect <https://www.doi.org/10.1016/j.jct.2018.03.032>

to the thermodynamic interaction between <https://www.doi.org/10.1016/j.jct.2018.03.032>

aqueous solutions of quaternary and <https://www.doi.org/10.1016/j.jct.2018.03.032>

thermodynamic study of N-acetyl <https://www.doi.org/10.1016/j.jct.2018.03.032>

glycyl-L-alanine iodide solutions <https://www.doi.org/10.1016/j.jct.2018.03.032>

at different temperatures with respect <https://www.doi.org/10.1016/j.jct.2018.03.032>

# Legend

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

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