

TETRA-N-PROPYLAMMONIUM IODIDE

Other names:	1-Propanaminium, N,N,N-tripropyl-, iodide ammonium, tetrapropyl-, iodide tetrapropylammonium iodide
Inchi:	InChI=1S/C12H28N.HI/c1-5-9-13(10-6-2,11-7-3)12-8-4;/h5-12H2,1-4H3;1H/q+1;/p-1
InchiKey:	GKXDJYKZFZVASJ-UHFFFAOYSA-M
Formula:	C12H28IN
SMILES:	CCC[N+](CCC)(CCC)CCC.[I-]
Mol. weight [g/mol]:	313.27

Physical Properties

Property code	Value	Unit	Source
SS	432.20	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	349.40	J/mol×K	298.15	NIST Webbook

Sources

Volumetric Analysis of Structural Changes of Cationic Micelles in the Presence of Quaternary Ammonium Salts:
Cheméo Relay (1.0):

<https://www.doi.org/10.1021/acs.jced.6b00332>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C631403&Units=SI>

Cheméo Relay (1.0, beta):

Legend

cps: Solid phase heat capacity

ss: Solid phase molar entropy at standard conditions

Latest version available from:

<https://www.cheméo.com/cid/46-382-7/TETRA-N-PROPYLAMMONIUM-IODIDE.pdf>

Generated by Cheméo on 2026-07-21 16:41:15.250726768 +0000 UTC m=+163171.092612169.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.