

# 1-BUTYLPIRIDINIUM BROMIDE

Other names:	1-butylpyridinium bromide
InChI:	InChI=1S/C9H14N.BrH/c1-2-3-7-10-8-5-4-6-9-10;/h4-6,8-9H,2-3,7H2,1H3;1H/q+1;/p-1
InchiKey:	KVBQNFMTUEOECD-UHFFFAOYSA-M
Formula:	C9H14BrN
SMILES:	Br.CCCC[n+]1ccccc1
Mol. weight [g/mol]:	216.12
CAS:	874-80-6

## Physical Properties

Property code	Value	Unit	Source
tf	376.83	K	Physicochemical and thermodynamic properties of the {1-alkyl-1-methylpiperidinium bromide [C1Cn=2,4PIP][Br], or 1-butylpyridinium bromide, [C4Py][Br], or tri(ethyl)butylammonium bromide [N2,2,2,4] [Br] + water} binary systems
tf	378.15	K	Isothermal Vapor Liquid Equilibrium Data for the Toluene + Methanol + N-Butylpyridinium Bromide System
tt	378.00	K	Phase transition and decomposition temperatures, heat capacities and viscosities of pyridinium ionic liquids

## Sources

Physicochemical and thermodynamic properties of the Isothermal Vapor Liquid Equilibrium Data for the Toluene + Methanol + N-Butylpyridinium Bromide System: tri(ethyl)butylammonium bromide [N2,2,2,4][Br] + water binary systems: phase transition and decomposition temperatures, heat capacities and viscosities of pyridinium ionic liquids:	<a href="https://www.doi.org/10.1016/j.tca.2018.11.018">https://www.doi.org/10.1016/j.tca.2018.11.018</a> <a href="https://www.doi.org/10.1021/acs.jced.6b00279">https://www.doi.org/10.1021/acs.jced.6b00279</a> <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C874806&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C874806&amp;Units=SI</a> <a href="https://www.doi.org/10.1016/j.jct.2005.03.013">https://www.doi.org/10.1016/j.jct.2005.03.013</a>
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# Legend

**tf:** Normal melting (fusion) point

**tt:** Triple Point Temperature

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