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:	KVBQNFMTEUEOCD-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 {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:	https://www.doi.org/10.1016/j.tca.2018.11.018
Isothermal Vapor Liquid Equilibrium Data for the Toluene + Methanol + N-Butylpyridinium Bromide System:	https://www.doi.org/10.1021/acs.jced.6b00279
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C874806&Units=SI
Phase transition and decomposition temperatures, heat capacities and viscosities of pyridinium ionic liquids:	https://www.doi.org/10.1016/j.jct.2005.03.013

Legend

tf:	Normal melting (fusion) point
tt:	Triple Point Temperature