Tetrabutylammonium hexafluorophosphate

Other names: 1-Butanaminium, N,N,N-tributyl-, hexafluorophosphate(1-)

InChl=1S/C16H36N.F6P/c1-5-9-13-17(14-10-6-2,15-11-7-3)16-12-8-4;1-7(2,3,4,5)6/h5-1

InchiKey: BKBKEFQIOUYLBC-UHFFFAOYSA-N

Formula: C16H36F6NP

SMILES: CCCC[N+](CCCC)(CCCC.F[P-](F)(F)(F)F)

Mol. weight [g/mol]: 387.43 CAS: 3109-63-5

Physical Properties

Property code	Value	Unit	Source
tf	524.30	К	Solubility of non-aromatic hexafluorophosphate-based salts and ionic liquids in water determined by electrical conductivity
tf	344.15	К	lon exchange synthesis and thermal characteristics of some [N+ 4444] based ionic liquids
tf	517.20 ± 0.50	K	NIST Webbook

Sources

Volumetric and compressibility behaviour of ionic liquid, lon-exchanged with the liquid, lon-exchanged with the liquid same left and long liquid liqu

logical conductivity:

https://www.doi.org/10.1016/j.jct.2005.07.018 https://www.doi.org/10.1016/j.tca.2013.01.003

http://webbook.nist.gov/cgi/cbook.cgi?ID=C3109635&Units=SI

https://www.doi.org/10.1016/j.fluid.2011.11.002 https://www.doi.org/10.1016/j.fluid.2013.07.061

Legend

tf:

Normal melting (fusion) point

Latest version available from:

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