Tetrabutylammonium hexafluorophosphate

Other names:	1-Butanaminium, N,N,N-tributyl-, hexafluorophosphate(1-)		
Inchi:	InChI=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		
InchiKey:	BKBKEFQIOUYLBC-UHFFFAOYSA-N		
Formula:	C16H36F6NP		
SMILES:	CCCC[N+](CCCC)(CCCC)CCCC.F[P-](F)(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	Ion exchange synthesis and thermal characteristics of some [N+ 4444] based ionic liquids
tf	517.20 ± 0.50	К	NIST Webbook

Sources

lonic solvation of tetrabutylammonium hexafluorophosphate in pure Relubition of tetrabutylammonium field of the solution of th hexafluorophosphate in organic solvents at T = 298.15 K:

Legend

Ionic solvation of tetrabutylammonium https://www.doi.org/10.1016/j.fluid.2011.11.002 https://www.doi.org/10.1016/j.fluid.2013.07.061 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

Normal melting (fusion) point

Latest version available from:

https://www.chemeo.com/cid/49-475-1/Tetrabutylammonium-hexafluorophosphate.pdf

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