

Tetrabutylammonium tetrafluoroborate

Other names:	1-Butanaminium, N,N,N-tributyl-, tetrafluoroborate(1-) 1-butanaminium, N,N,N-tributyl-, tetrafluoroborate (1-) Tetrabutylammonium fluoroborate tetra-n-Butylammonium tetrafluoroborate
Inchi:	InChI=1S/C16H36N.BF4/c1-5-9-13-17(14-10-6-2,15-11-7-3)16-12-8-4;2-1(3,4)5/h5-16H2
InchiKey:	NNZZSJSQYOFZAM-UHFFFAOYSA-N
Formula:	C16H36BF4N
SMILES:	CCCC[N+](CCCC)(CCCC)CCCC.[B-](F)(F)F
Mol. weight [g/mol]:	329.27
CAS:	429-42-5

Physical Properties

Property code	Value	Unit	Source
tf	344.15	K	Ion exchange synthesis and thermal characteristics of some [N+ 4444] based ionic liquids
tf	439.20 ± 0.50	K	NIST Webbook

Sources

Probing subsistence of ion-pair and triple-ion of an ionic salt in liquid ion-exchange synthesis and thermal characteristics of some [N+ 4444] based ionic liquids: tetrafluoroborate, Perchlorate) of Tetrabutylammonium NIST Webbook: Determining Solvation Effects Prevailing in Industrially Essential Solvents Probed by Conductance and FT-IR Spectra.

<https://www.doi.org/10.1016/j.jct.2013.03.018>
<https://www.doi.org/10.1016/j.tca.2013.01.003>
<https://www.doi.org/10.1021/je400536f>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C429425&Units=SI>
<https://www.doi.org/10.1016/j.fluid.2013.06.011>

Legend

tf: Normal melting (fusion) point

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