

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.F[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

Solubility of carbon dioxide in ammonium based CO2-induced ionic liquids	https://www.doi.org/10.1016/j.fluid.2013.06.011
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	https://www.doi.org/10.1016/j.jct.2013.03.018
Ion-exchange synthesis and thermal characteristics of some [N+ 4444] based ionic liquids	https://www.doi.org/10.1016/j.tca.2013.01.003
Base of ionic liquids: Tetrabutylammonium, Perchlorate) of Tetrabutylammonium	https://www.doi.org/10.1021/je400536f
NIST Webbook: Determining Solvation Effects Prevailing in Industrially Essential Solvents Probed by Conductance and FT-IR Spectra:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C429425&Units=SI

Legend

tf: Normal melting (fusion) point

Latest version available from:

<https://www.chemeo.com/cid/78-471-3/Tetrabutylammonium-tetrafluoroborate.pdf>

Generated by Cheméo on 2024-04-10 20:45:07.09568427 +0000 UTC m=+15071156.016261586.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.