Tetra-N-butylammonium bromide

Other names: 1-Butanaminium, N,N,N-tributyl-, bromide

N,N,N-tributyl-1-butanaminium bromide

N-butyl-N,N-bis(1-methylpropyl)-1-butanaminium bromide

di-n-butyl-di-sec-butylammonium bromide

tetrabutylammonium bromide

Inchi: InChl=1S/C16H36N.BrH/c1-5-9-13-17(14-10-6-2,15-11-7-3)16-12-8-4;/h5-16H2,1-4H3;1l

JRMUNVKIHCOMHV-UHFFFAOYSA-M InchiKey:

Formula: C16H36BrN

SMILES: CCCC[N+](CCCC)(CCCC)CCCC.[Br-]

Mol. weight [g/mol]: 322.37 CAS: 1643-19-2

Physical Properties

Property code	Value	Unit	Source
hf	-540.30 ± 3.20	kJ/mol	NIST Webbook
tf	395.00 ± 1.00	K	NIST Webbook
tf	395.00 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	447.80	J/mol×K	298.00	NIST Webbook
cps	412.00	J/mol×K	298.15	NIST Webbook
hfust	16.15	kJ/mol	395.00	NIST Webbook
sfust	40.89	J/mol×K	395.00	NIST Webbook

Sources

Apparent molar volumes and viscosity https://www.doi.org/10.1016/j.jct.2007.09.012 B-coefficients of nicotinamide in Annecastened but 9 lamen Afum bromide https://www.doi.org/10.1016/j.jct.2013.08.031 https://www.doi.org/10.1016/j.jct.2015.08.039 https://www.doi.org/10.1021/je101043c Temperaturation between hydrophobic and Molumpatric Branch and Molum https://www.doi.org/10.1021/je1008813 Alageriael Sonduate ac se péral https://www.doi.org/10.1016/j.fluid.2016.02.035 https://www.doi.org/10.1016/j.fluid.2018.03.002 https://www.doi.org/10.1016/j.jct.2009.06.014 Notworking Bondestica Cathernetric กระหบุลที่แกะเองและยรค ชอบอักกัยเกิด รอบอักกุลเกิด โลหละที่ไม่ลู้ก็มีช่อน พิธภาเริ่มเลหละที่ไม่ลู้ก็มีช่อน พิธภาเริ่มเลหละที่ ของเรื่องสิ่ง โลยมาใช้ เลขายนากระบบละที่สามารถเล่น Solution of Tetra-n-Butylammonium อิกมหมีของ of glucose in https://www.doi.org/10.1021/acs.jced.9b00173 https://www.doi.org/10.1007/s10765-017-2310-y https://www.doi.org/10.1016/j.fluid.2017.05.024 tetrabutylammonium bromide başed **Bennings of Jense Markets of Markets** Marian Alekande of Jense Britalam Beninm Marian https://www.doi.org/10.1021/je7004903 https://www.doi.org/10.1021/je900565e Tetraleutyt Ammentures Bromide Ionic Etydiog the effect of electrolyte and https://www.doi.org/10.1016/j.jct.2014.07.003 temperature on the critical micelle Vទទេសភាពង្សេសស្រី of glycine, L-alanine, https://www.doi.org/10.1016/j.jct.2004.07.006 https://www.doi.org/10.1016/j.jct.2013.07.010 https://www.doi.org/10.1016/j.jct.2016.08.015 https://www.doi.org/10.1016/j.jct.2005.08.018 ### Pring principal and Unsymmetrical Quaternary Ammonium Bapoficies state Osta quaternary Ammonium Bapoficies and Osta of the Osmotic and Activety Distribution http://webbook.nist.gov/cgi/cbook.cgi?ID=C1643192&Units=SI The asperative at Depart denograf Speeds of https://www.doi.org/10.1021/je800908h Sound for Solutions of Some Pelitality an Arganan Brothness in H2O and 925 aptring an and brothness in the Range basing a party of the Bange Sound for Solutions of Some https://www.doi.org/10.1016/j.jct.2018.07.001 https://www.doi.org/10.1016/j.jct.2018.03.030 https://www.doi.org/10.1021/je800557h https://www.doi.org/10.1021/je0301287 https://www.doi.org/10.1016/j.jct.2003.09.005 https://www.doi.org/10.1021/je300737t Bromide, and Sodium Tetraphenylborate in 2-Butoxyethanol

(1) + Water (2) Mixtures at (298.15, 303.15, 308.15, and 313.15) K:

Electrical Conductances of Tetrabutylammonium Bromide, Sodium
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Bromide Polyny birnig arabitan
Bromide Presence and Series of Brownian Bromide Ionic
Tetrabutylammonium Bromide Ionic

https://www.doi.org/10.1021/je5010005

https://www.doi.org/10.1021/je100361s

https://www.doi.org/10.1021/je100361s Liquids in Aqueous and Alcohol Binary Systems:

https://www.doi.org/10.1021/je801001h https://www.doi.org/10.1021/acs.jced.8b00015

Legend

Solid phase heat capacity cps:

hf: Enthalpy of formation at standard conditions hfust: Enthalpy of fusion at a given temperature sfust: Entropy of fusion at a given temperature

tf: Normal melting (fusion) point

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