

Potassium carbonate

Inchi:	InChI=1S/CH2O3.2K/c2-1(3)4;;/h(H2,2,3,4);;/q;2*+1/p-2
InchiKey:	BWHMMNNQKKPAPP-UHFFFAOYSA-L
Formula:	CK2O3
SMILES:	O=C(O[K])O[K]
Mol. weight [g/mol]:	138.21

Physical Properties

Property code	Value	Unit	Source
tt	1171.15	K	Fusion characterization of biomass ash

Sources

Liquid-liquid equilibrium in the ternary systems triethylene glycol + salts + water at different temperatures; for CO₂ capture process using N₂/H₂O/H₂O promoted K₂CO₃ aqueous solution: <https://www.doi.org/10.1016/j.fluid.2009.10.020>

Partitioning of amino acids in the novel biphasic systems based on sodium lactate: <https://www.doi.org/10.1016/j.jct.2016.07.026>

Salt-induced effect of sodium potassium, carbonate, sulfite, tartrate and inorganic salts on aqueous extraction and phase separation in liquid-liquid systems: <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000504&Units=SI>

Electrical Conductivity of Electrolytes in Aqueous Solutions: <https://www.doi.org/10.1016/j.fluid.2018.01.016>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.fluid.2013.09.028>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je900681b>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je101012n>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/acs.jced.9b00526>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.tca.2016.06.008>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je2004758>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.jct.2013.10.024>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/acs.jced.5b00948>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.jct.2017.01.001>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je060430q>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je050515b>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.jct.2011.04.024>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/acs.jced.9b00452>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.jct.2017.11.008>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je300782p>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1016/j.tca.2019.178313>

Equilibrium Phase Diagrams (to 90 °C) of the Na⁺ or K⁺ Salts as Constituents of the Aqueous Two-Phase Systems: <https://www.doi.org/10.1021/je7000478>

Study on the Phase Equilibrium of Na⁺, K⁺/Cl⁻, CO₃²⁻-H₂O and Single-Salt of Pseudo-ionic Separation with the Aqueous Biphasic system O₂ composed of 1-butyl-2-pyrrolidone ionic liquids-based aqueous two-phase systems; Phase Diagrams and Phase Equilibria of Aqueous Biphasic Systems composed of ionic liquids and Glycolic acid; Aqueous two-phase systems in biphasic systems: Salting-out effect and High-Gelation of Aqueous Biphasic Systems Containing Selected Salts; Aqueous Two-Phase Based Aqueous Biphasic Systems Applied to Alkaloids Recovery of Ph₃SO₃H from Industrial Waste Based on Salt-Liquid Equilibrium of the Ph₃SO₃-K₂CO₃-H₂O dissociation from aqueous bromide and persulfate positions of the system; Polymerization of poly(2-vinylpyridine) in aqueous biphasic systems based on ionic liquids; Organic salts and aqueous two-phase systems: Aqueous Biphasic Systems and Its Ionic Liquids; Aqueous Biphasic Based on: Potassium Carbonate: Liquid-liquid equilibria of ionic liquid 1-(2-methoxyethyl)-3-methylimidazolium bromide and potassium carbonate; Phase Diagrams and Phase Equilibria of Aqueous Biphasic Systems composed of ionic liquids and water; Aqueous two-phase systems;

<https://www.doi.org/10.1021/acs.jced.9b00367>

<https://www.doi.org/10.1016/j.ijct.2012.05.004>

<https://www.doi.org/10.1016/j.jct.2017.10.017>

<https://www.doi.org/10.1016/j.fluid.2016.02.015>

<https://www.doi.org/10.1016/j.fluid.2019.03.002>

<https://www.doi.org/10.1021/je700315u>

<https://www.doi.org/10.1021/acs.jced.8b01024>

<https://www.doi.org/10.1021/acs.jced.7b00998>

<https://www.doi.org/10.1016/j.jct.2003.12.008>

<https://www.doi.org/10.1016/j.fluid.2017.08.006>

<https://www.doi.org/10.1016/j.jct.2010.03.010>

<https://www.doi.org/10.1021/je900009a>

<https://www.doi.org/10.1016/j.tca.2013.10.028>

<https://www.doi.org/10.1016/j.fluid.2013.11.046>

<https://www.doi.org/10.1021/acs.iced.9b00293>

Legend

tt: Triple Point Temperature

Latest version available from:

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