Potassium phosphate, monobasic

Other names:	monobasic potassium phosphate
	monopotassium dihydrogen phosphate
	monopotassium orthophosphate
	monopotassium phosphate
	phosphoric acid, monopotassium salt
	potassium dihydrogen phosphate
	potassium dihydrogen phosphate (KH2PO4)
Inchi:	InChI=1S/K.H3O4P/c;1-5(2,3)4/h;(H3,1,2,3,4)/q+1;/p-1
InchiKey:	GNSKLFRGEWLPPA-UHFFFAOYSA-M
Formula:	H2KO4P
SMILES:	O=P(O)(O)O[K]
Mol. weight [g/mol]:	136.09

Sources

Evaluation of the impact of phosphate salts on the formation of ionic liquid based aqueous biphasic systems	https://www.doi.org/10.1016/j.jct.2012.05.019
Comparative study of density, sound velocity and refractive index for (water + alkali metal) phosphates aqueous solutions at T = (298.15, 303.15, and 308.15) K	https://www.doi.org/10.1016/j.jct.2013.01.012
Solvent and distribution of bicyclo derivatives of 1,3-oxazinanes in physiologically relevant media by saturation shake-flask method:	https://www.doi.org/10.1016/j.jct.2017.08.012
NIST Webbook	http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000585&Units=SI
Determination of related systems' solubility data (I) in the preparation process of K2SO4 or KH2PO4 by the solvent extraction method:	https://www.doi.org/10.1016/j.fluid.2017.04.010
Solid-Liquid Phase Equilibria of the KH2PO4-KCl-H3PO4-H2O and KH2PO4-KCl-CO(NH2)2-H2O Systems at T = (298.15 and 313.15) K	https://www.doi.org/10.1021/acs.jced.8b00081
Thermodynamic model of high salinary phosphate solutions II. Ternary and higher systems	https://www.doi.org/10.1016/j.jct.2013.12.017
Osmotic and Activity Coefficient of 1-Ethyl-3-methylimidazolium Bromide in Aqueous Solutions of Potassium Dihydrogen Phosphate and Potassium Phosphate at T = 298.15 K	https://www.doi.org/10.1021/je100720x
Phase Equilibrium in the Aqueous Ternary System KH2PO4 + NaH2PO4 + H2O at 298.15 K	https://www.doi.org/10.1021/acs.jced.7b00020
Apparent molar volumes, apparent isentropic compressibilities, and viscosity B-coefficients of Dipotassium Phosphate at T = 298.15	https://www.doi.org/10.1016/j.jct.2012.03.032
Quaternary System K+//H2PO42-, SO42- Phase Equilibrium in the Aqueous Ternary System KH2PO4 + KCl + H2O at (298.15 and 308.15) K:	https://www.doi.org/10.1021/acs.jced.5b00579
1-Ethyl-3-methylimidazolium bromide in aqueous solutions of potassium hydrogen phosphate and dipotassium hydrogen phosphate at (298.15 and 308.15) K:	https://www.doi.org/10.1021/acs.jced.5b00141
Solubility and phase equilibrium and phase diagram for the reciprocal quaternary system Na+, K+ // SO42-, HPO42- - H2O at 313.15 K:	https://www.doi.org/10.1016/j.fluid.2016.09.005
Thermodynamic modelling of high salinary phosphate solutions I. Binary systems	https://www.doi.org/10.1016/j.jct.2013.05.013
Phase Equilibrium for the Ternary Systems (KCl + K2SO4 + H2O) and (KH2PO4 + K2SO4 + H2O) at 298.15 K	https://www.doi.org/10.1021/acs.jced.5b01111
Thermodynamic properties of binary aqueous solutions of orthophosphate salts, sodium, potassium and ammonium dihydrogen	https://www.doi.org/10.1016/j.fluid.2014.02.019
An investigation on the solid-liquid phase equilibrium of the quaternary system KH2PO4 + KCl + H3PO4 + H2O at T = 298.15 K and 308.15 K:	https://www.doi.org/10.1016/j.fluid.2018.02.014
Phase equilibrium in the System KH2PO4 + H3PO4 + H2O at 298.15 K and 308.15 K:	https://www.doi.org/10.1021/acs.jced.7b00554
Solubility di-hydrogen (Na; K or NH4) orthophosphates in aqueous solutions	https://www.doi.org/10.1016/j.fluid.2015.08.035
Stable (solid + liquid) equilibria at temperatures from 293.15 K to 353.15 for the ternary systems (K2SO4 + KH2PO4 + H2O), (K2SO4 + KCl + H2O) and (KH2PO4 + KCl + H2O)	https://www.doi.org/10.1016/j.jct.2015.06.011
Ionic Liquid Based Aqueous Biphasic Systems with Controlled pH: The Ionic Liquid Cation Effect:	https://www.doi.org/10.1021/je200714h
pH effect on the enthalpy of dilution and volumetric properties of protocatechuic acid at T = 298.15 K,	https://www.doi.org/10.1016/j.jct.2014.06.027
Solubility of KH2PO4 in KCl + H3BO4 + H2O and Their Mixture Solutions:	https://www.doi.org/10.1021/je400911m