

Potassium phosphate, monobasic

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

Sources

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| pH effect on the enthalpy of dilution and volumetric properties of potassium dihydrogen phosphate in aqueous solutions | https://www.doi.org/10.1016/j.jct.2014.06.027 |
| Protic and Acidic Coefficient of 1-Ethyl-3-methylimidazolium Bromide in Aqueous Solutions | https://www.doi.org/10.1021/je100720x |
| Study of Solid Solutions of Potassium Dihydrogen Phosphate in Aqueous Solutions | https://www.doi.org/10.1016/j.fluid.2015.08.035 |
| Thermodynamic Properties of Potassium Dihydrogen Phosphate at 298.15 K and 0.1 MPa | https://www.doi.org/10.1021/acs.jced.7b00554 |
| Fluid-Phase Equilibrium and Phase Diagram for the Reciprocal Ternary System K ₂ SO ₄ -KH ₂ PO ₄ -H ₂ O | https://www.doi.org/10.1021/je200714h |
| Thermodynamic modeling of high concentration phosphate solutions | https://www.doi.org/10.1016/j.fluid.2016.09.005 |
| Thermodynamic modeling of high concentration phosphate solutions. I. Binary systems | https://www.doi.org/10.1016/j.jct.2013.12.017 |
| Thermodynamic modeling of high concentration phosphate solutions. II. Ternary systems | https://www.doi.org/10.1016/j.jct.2013.01.012 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.fluid.2014.02.019 |
| Thermodynamic properties and velocity of sound of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.jct.2012.03.032 |
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| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1021/acs.jced.5b00113 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.jct.2015.06.011 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.jct.2012.05.019 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.fluid.2017.04.010 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1021/acs.jced.5b01111 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | https://www.doi.org/10.1016/j.fluid.2018.02.014 |
| Thermodynamic properties of binary aqueous solutions of potassium phosphate | http://webbook.nist.gov/cgi/cbook.cgi?ID=B6000585&Units=SI |

KH₂PO₄-H₃PO₄-CH₂OHCH₂OH-H₂O:

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| Solubility of KH_2PO_4 in KCl , H_3PO_4 , and Their Mixture Solutions: Phase Equilibrium in the Aqueous Ternary System $\text{KH}_2\text{PO}_4 + \text{KCl} + \text{H}_2\text{O}$ at 298.15 K and 323.15 K | https://www.doi.org/10.1021/je400911m |
| Viscosities of Some Saccharides in Aqueous Solutions of Phosphate-Based Inorganic Salts | https://www.doi.org/10.1021/acs.jced.5b00141 |
| Phase Equilibrium in the Aqueous Ternary System $\text{KH}_2\text{PO}_4 + \text{KCl} + \text{H}_2\text{O}$ at 298.15 K and 323.15 K | https://www.doi.org/10.1021/acs.jced.5b00845 |
| Phase Equilibrium in the Aqueous Ternary System $\text{KH}_2\text{PO}_4 + \text{NaH}_2\text{PO}_4 + \text{H}_2\text{O}$ at 298.15 K and 323.15 K | https://www.doi.org/10.1021/acs.jced.7b00020 |
| Phase Equilibrium in the Ternary System $\text{KH}_2\text{PO}_4 + \text{NaH}_2\text{PO}_4 + \text{H}_2\text{O}$ at 298.15 K and 323.15 K | https://www.doi.org/10.1021/je5009872 |
| Solid-Liquid Equilibria in the Quaternary System $\text{K}^+/\text{H}_2\text{PO}_4^-$, SO_4^{2-} , Cl^- , H_2O at 298.2 K and 323.2 K : | https://www.doi.org/10.1021/acs.jced.5b00579 |

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