**Table I**SLE ternary and quaternary systems including H2PO2 ion

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| Researchers | Systems |
| Alisoglu and Necefoglu9 | Na+, Mn2+//NO3−, (H2PO2)−−H2O at 273.15 K |
| Alişoglu11 | K+, Mn2+//Br−, (H2PO2)−−H2O at 298.15 K |
| Alişoglu8 | Na+, Mn2+//Cl−, (H2PO2)−−H2O at 298.15 K |
| Alişoglu10 | Na+, Mn2+//Br−, (H2PO2)−−H2O at 298.15 K |
| Alisoglu and Adıguzel12 | K+, Mn2+/Br-, (H2PO2)-//H2O at 298.15 K |
| Erge *et al.*13 | Na+, Ba2+//(H2PO2)−−H2O at 273.15 K |
|  | Na+//Cl-, (H2PO2)−−H2O at 273.15 K |
|  | Ba2+//Cl−, (H2PO2)−−H2O at 273.15 K |
|  | Na+, Ba2+//Cl-, (H2PO2)−−H2O −H2O at 273.15 K |
| Adıguzel *et al.*14 | Na+, Zn2+//(H2PO2)−−H2O at 273.15 K |
|  | Zn2+//Cl−, (H2PO2)−−H2O at 273.15 K |
|  | Na+, Zn2+//Cl−, (H2PO2)−−H2O at 273.15 K |
| Demirci *et al.*15 | NaH2PO2−NaCl−H2O at 298.15 K |
|  | NaH2PO2−Zn(H2PO2)2−H2O at 298.15 K |
|  | NaCl−Zn(H2PO2)2−H2O at 298.15 K |
|  | NaH2PO2−NaCl−Zn(H2PO2)2−H2O at 298.15 K |
| Tan *et al.*18 | Ca(H2PO2)2 − CaCl2 − H2O at 298.15 K |
|  | Ca(H2PO2)2−NaH2PO2−H2O at 298.15 K |
| Cao *et al.*22 | Ca(H2PO2)2 + CaCl2 + H2O at 323.15 K |
|  | Ca(H2PO2)2 + NaH2PO2 + H2O at 323.15 K |
| Gao *et al.*20 | Mg(H2PO2)2 + NaH2PO2 + H2O at 298 K |
|  | Mg(H2PO2)2 +MgCl2 + H2O at 298 K |
| Yin *et al.*19 | Ca(H2PO2)2 +CaCl2 + H2O |
|  | Ca(H2PO2)2 + NaH2PO2 + H2O |
| Shi *et al.*21 | Mg(H2PO2)2 + NaH2PO2 + H2O |
|  | Mg(H2PO2)2 + MgCl2 + H2O |