

- BaSO_4 is used as a contrast agent for X-ray images of intestines. What is the solubility product constant, K_{sp} , for BaSO_4 , given that a maximum of 1.2×10^{-3} g dissolves in 500 mL of water.

Answer:

Ba^{2+} ions are toxic. Comment on the suitability of BaSO_4 as a contrast agent.

What advantage would there be in administering BaSO_4 as a slurry which also contains 0.5 M Na_2SO_4 ?