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ABSTRACT

The present invention provides a method of manufacturing calcium phosphate powder comprising the steps of: preparing a mixed material by mixing calcium hydroxide ($\text{Ca}(\text{OH})_2$) powder and calcium hydrogenphosphate powder so that a molar ratio (Ca/P) of calcium to phosphor is set to a range of 1.45-1.72; conducting a mixing/milling treatment to the mixed material to cause a soft-mechanochemical compositing reaction thereby to prepare a calcium phosphate precursor; and conducting a heat treatment to thus obtained precursor at a temperature of 600°C or more thereby to prepare calcium phosphate powder. According to the present invention, the manufacturing process is simple and the manufacturing cost can be remarkably reduced. In addition, fine calcium phosphate powder excellent in characteristics can be easily manufactured in a short time.