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## Experimental study of mixed system Cs3Cu3Cl8-xBrxOH with weakly connected Cu-triangles

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In this work we show the crystallization of a new low-dimensional spin compound Cs3Cu3Cl7.6Br0.4OH with weakly coupled Cu-triangles. In addition, the x-ray diffraction of this new compound results in a monocline structure with space group P21/c, which is isostructural to Cs3Cu3Cl8OH. The differences of distances and angles due to Br doping are very small, but, nevertheless, those are important to detect the distinct variations in the magnetic properties of both investigated compounds.

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