SUPPORTING INFORMATION

A novel lurasidone hydrochloride-shikimic acid coamorphous system is formed by hydrogen-bonding interaction with remained pH-dependent solubility behavior

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1. Powder x-ray diffraction (PXRD) for evaporation product



Fig S1. The PXRD patterns for evaporation product LH (a), evaporation product SA (b).

2. The radial distribution function (RDF) analysis



Fig S2. The RDF analysis of 1:1 1:2 and 2:1 system for hydrogen atom at C12(C12-H) of LH relative to the distance of the O8 of SA.



Fig S3.The RDF analysis of 1:1 1:2 and 2:1 system for hydrogen atom at C16(C16-H) of LH relative to the distance of the O8 of SA.



Fig S4. The RDF analysis of 1:1 1:2 and 2:1 system for hydrogen atom at C14(C14-H) of LH relative to the distance of the O8 of SA.