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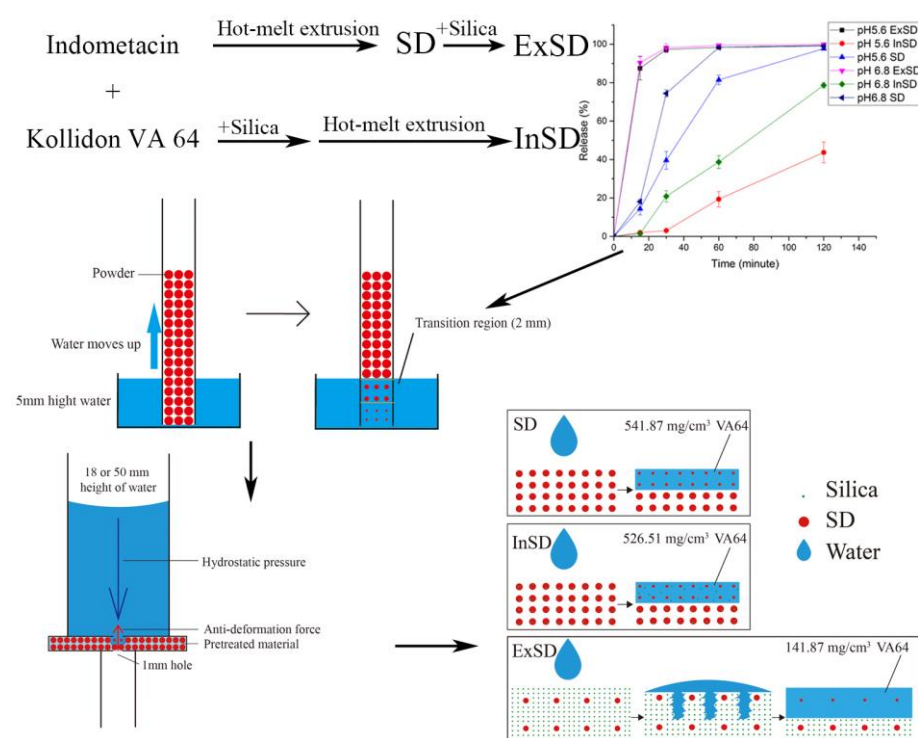
Different effects of silica added internal or external on in vitro dissolution of indomethacin hot-melt extrudates

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Graphical abstract



Abstract

The purpose of this work was to investigate the effect on the dissolution behavior when silica was added in different ways. The solid dispersion was prepared by

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Abbreviations: HME, hot-melt extrusion; IND, indomethacin; SD, solid dispersion; InSD, silica internal-added solid dispersion; ExSD, external-added solid dispersion; PVP VA64, Kollidon® VA64; DSC, differential scanning calorimetry; XRPD, X-ray powder diffraction; FTIR, Fourier-transform infrared spectrometry; PM, physical mixture; PBS, phosphate buffer saline.

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