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Design and development of an innovative water insoluble film-coating combination for oral pulsatile drug delivery

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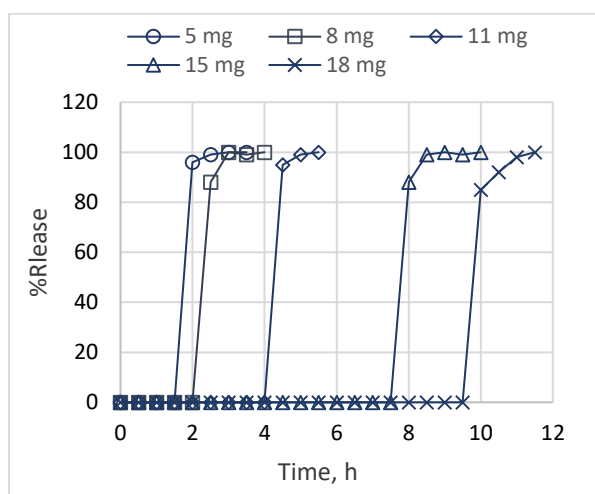
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Graphical abstract

An innovative film-coating based on a unique combination of hydrophobic rigid film forming polymer (FFP) and water insoluble hydrophilic particulates providing a pulsatile drug delivery while using a swellable and fast disintegrable core. By adjusting either the coating weight or the ratio between the components in the coating one can properly control the lag time where the drug can be released in a burst manner.

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