

## Supplementary materials

# Hydroxyapatite and Silicon-Modified Hydroxyapatite as Drug Carriers for 4-Aminopyridine

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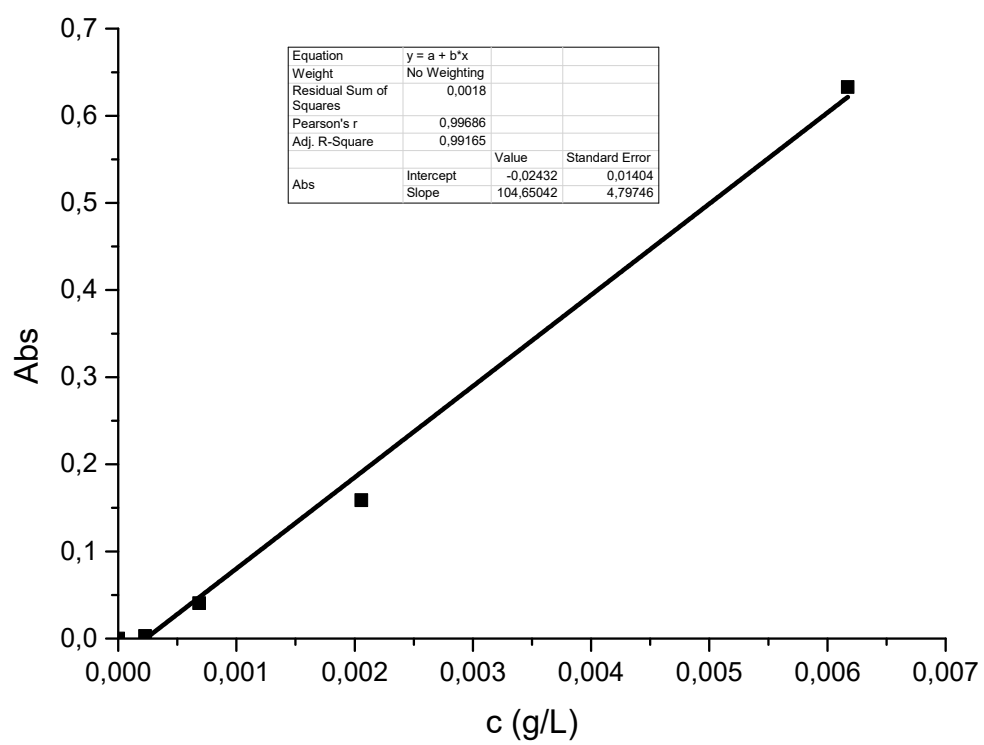
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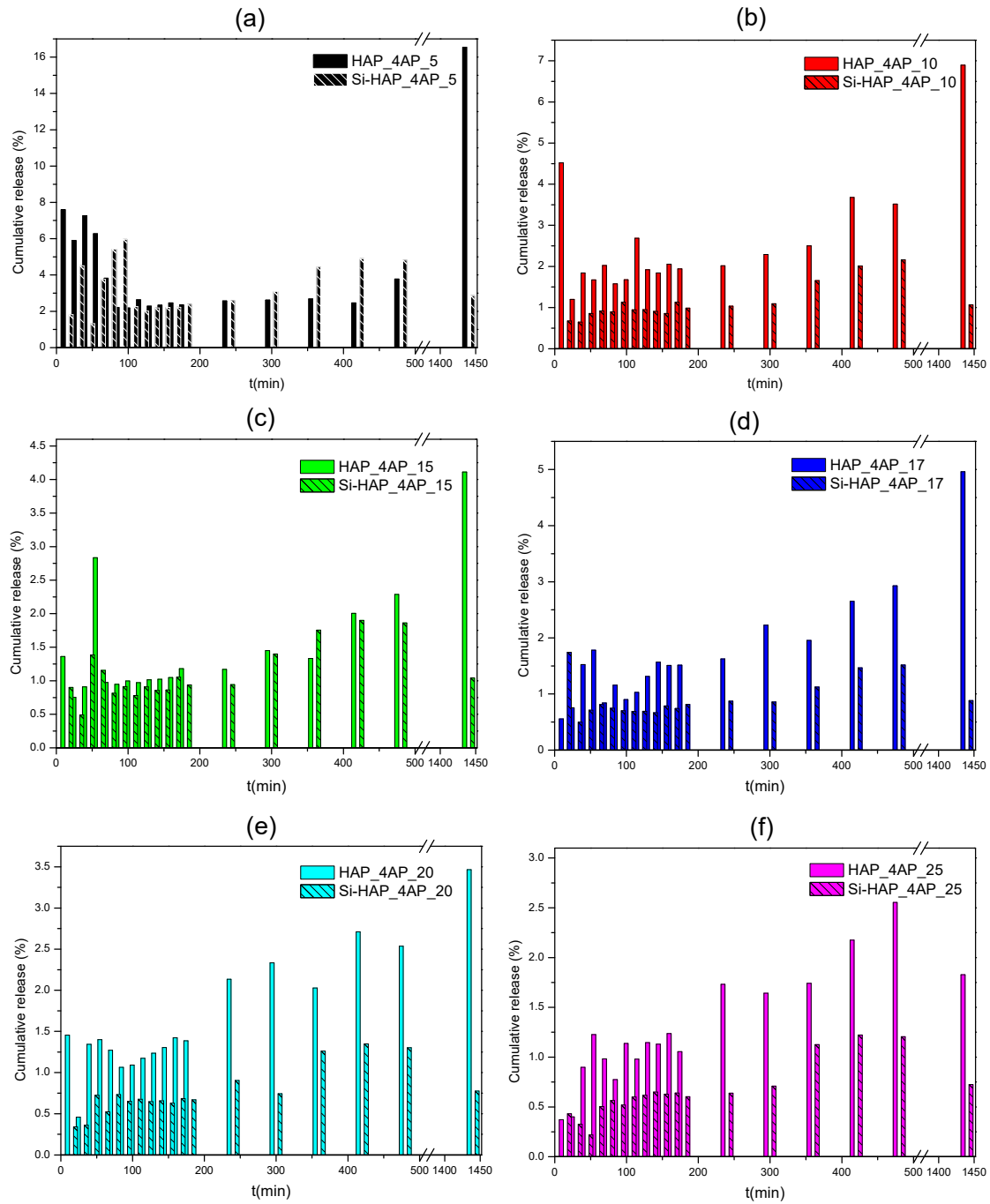
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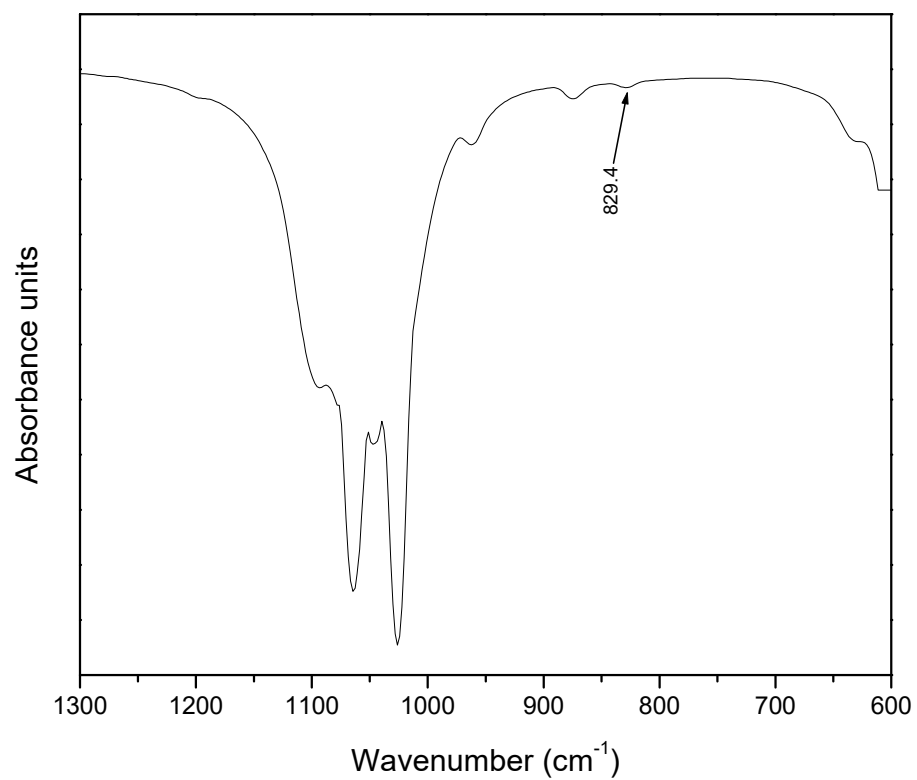
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**Figure S1.** The calibration curve.



**Figure S2.** Cumulative release profile of 4AP from (a) HAP\_4AP\_5 and Si-HAP\_4AP\_5, (b) HAP\_4AP\_10 and Si-HAP\_4AP\_10, (c) HAP\_4AP\_15 and Si-HAP\_4AP\_15, (d) HAP\_4AP\_17 and Si-HAP\_4AP\_17, (e) HAP\_4AP\_20 and Si-HAP\_4AP\_20, and (f) HAP\_4AP\_25 and Si-HAP\_4AP\_25 carriers, respectively.



**Figure S3.** FTIR spectrum of Si-HAP\_4AP\_25 sample.