

## ADDITIONAL DOCUMENTATION

Table S1: Coefficient estimation for equation 6

Factor	Coefficient Estimate	95% CI Low	95% CI High
Intercept	31.48	28.29	34.67
A-API Amount	21.95	18.15	25.76
B-API:H <sub>2</sub> O	-7.24	-11.05	-3.44
AB	-10.71	-15.24	-6.17

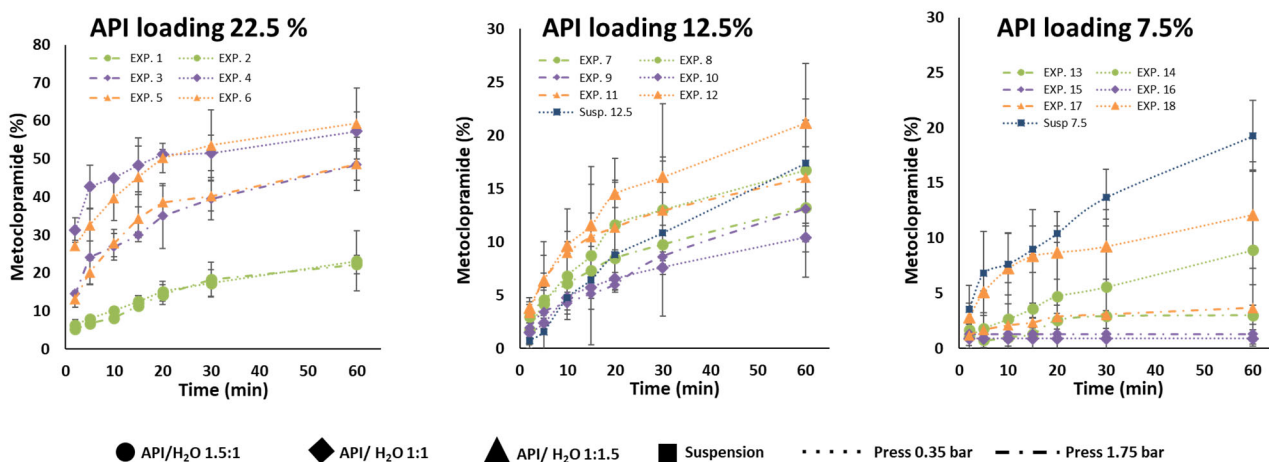


Figure S1: zoom on the first 60 minutes of the *in vitro* release profiles of experiments with the same API amount

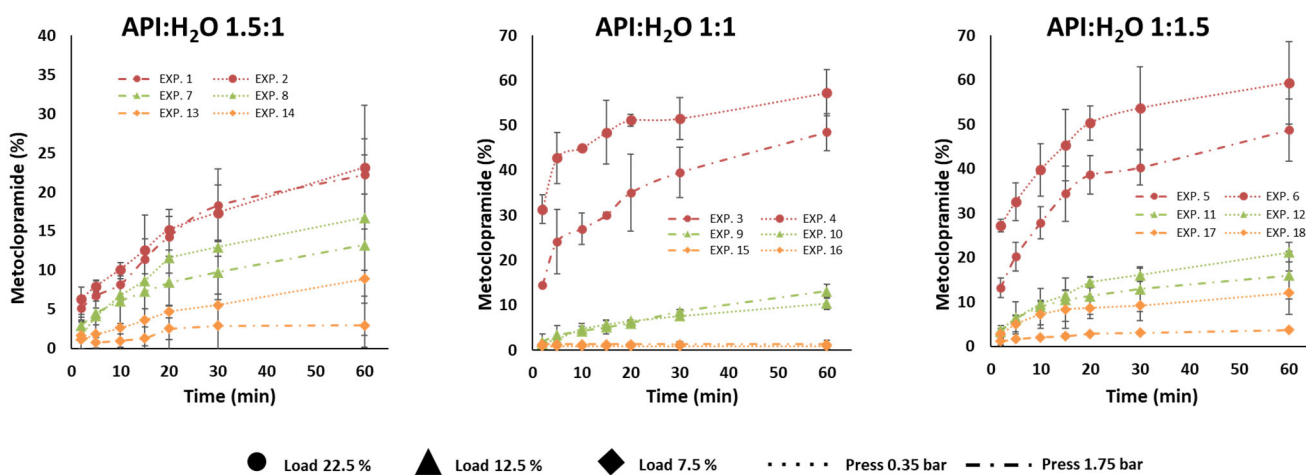


Figure S2: zoom on the first 60 minutes of the *in vitro* release profiles of experiments with the same API:H<sub>2</sub>O ratio

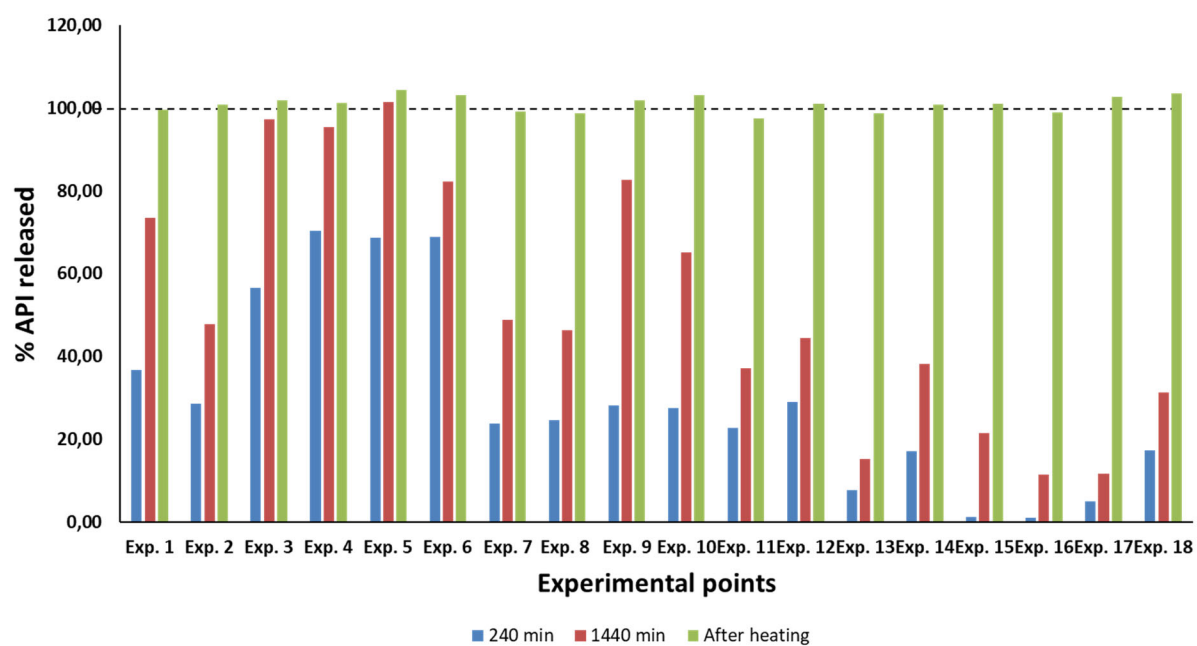


Figure S3: percentages of API in solution after 240 and 1440 min, and after sample heating

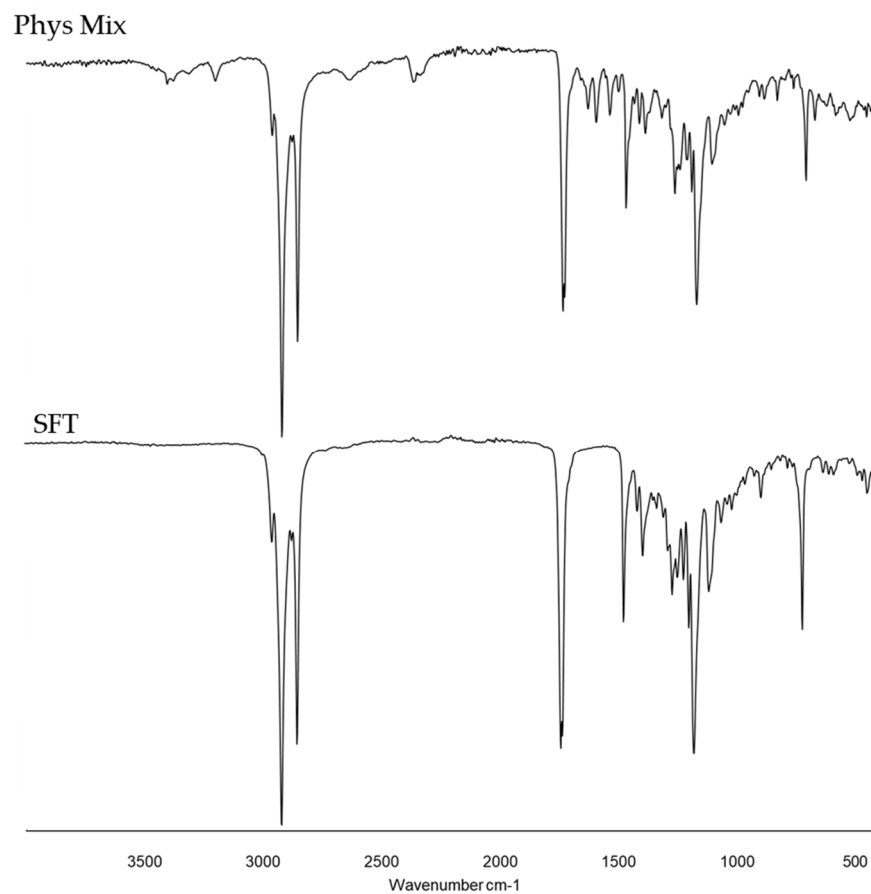


Figure S4: IR spectra of SFT and of drug-excipient physical mixture.