

Supplementary Materials:

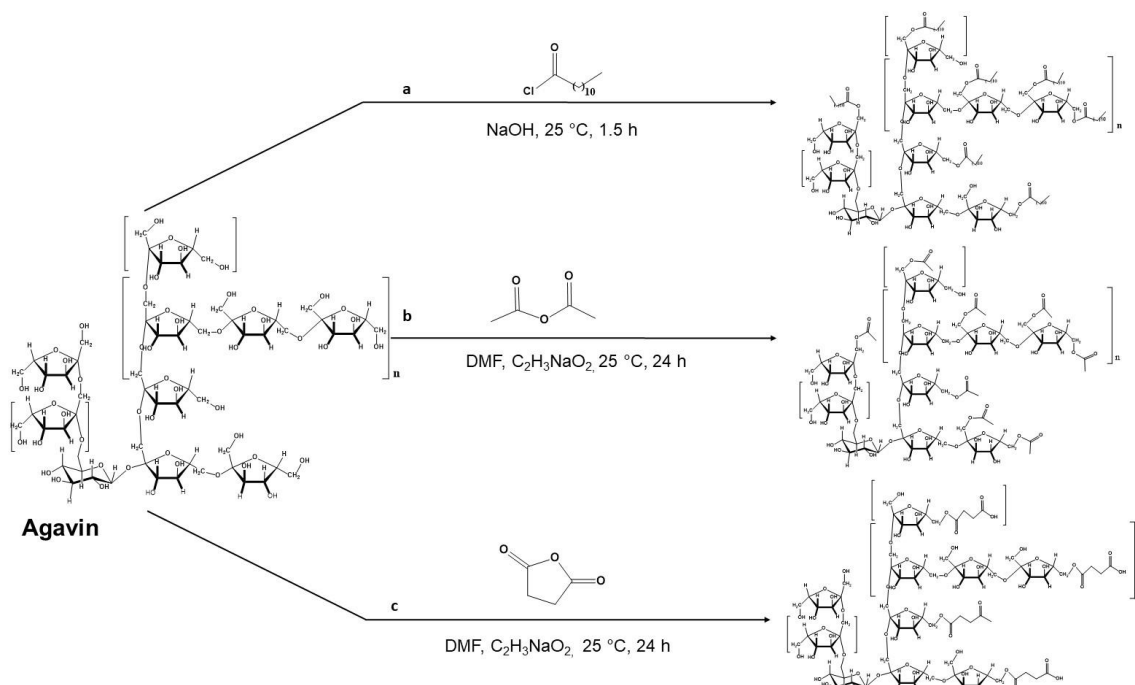


Figure S1. Proposed reaction mechanism of Agavin for the lauroylation (a), acetylation (b), and succinylated (c) reactions.

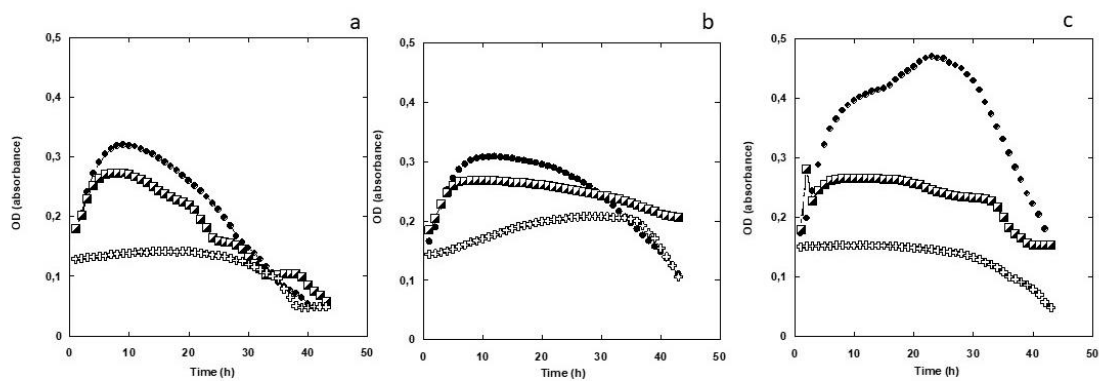


Figure S2. Growth curves of NAF (a), HPAF (b), and HDPAF (c) unmodified (●), acetylated (■) and succinylated (□)

Table S1. Absorbance during gastric and intestinal simulation in succinylated fructans.

Fructans succinylated	Phase	Abs
NAF	Gastric	0.006 ± 0.01^a
HPAF		0.003 ± 0.01^a
HDPAF		0.002 ± 0.01^a
	Intestinal	
NAF		0.022 ± 0.06^b
HPAF		0.013 ± 0.01^b
HDPAF		0.016 ± 0.01^b

Values are given as mean \pm SD (n = 3). Different letters denote significant differences ($P < 0.05$).

Figure S3. Full ^1H NMR spectra

