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**Figure S1**. Biofilm biomass of *S. aureus* and five clinical strains. “\*” represents differences with *S. aureus* 25923. Results are expressed as mean ± SEM of three biological replicates, with three technical replicates per condition.

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**Figure S2**. Effect of the two DHA derivatives (11 and 9b), the flavonoid-derivative (291) on the prevention of biofilm formation of (a) S. aureus 25923 or (b) S. aureus P2 on titanium surfaces. “\*” represents differences with the untreated control (*S. aureus*). Results are expressed as mean ± SEM of three biological replicates, with three technical replicates per condition.

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**Figure 3.** Effect of the two DHA derivatives (11 and 9b), the flavonoid-derivative (291) and two control antibiotics (Rifampicin and Penicillin) on SaOS-2 viability when cultured in 96 wells polystyrene plates. Compounds were tested at a concentration of 50 µM. The viability percentage was calculated with respect to untreated controls after 24 h incubation. Results are expressed as mean ± SEM of two different biological replicates.

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**Figure S4.** Effect of the two DHA derivatives (11 and 9b), the flavonoid-derivative (291) and two control antibiotics (Rifampicin and Penicillin) on SaOS-2 viability when cultured on titanium coupons. Compounds were tested at a concentration of 50 µM. The viability percentage was calculated with respect to untreated controls after 24 h incubation. Results are expressed as mean ± SEM of two different biological replicates.