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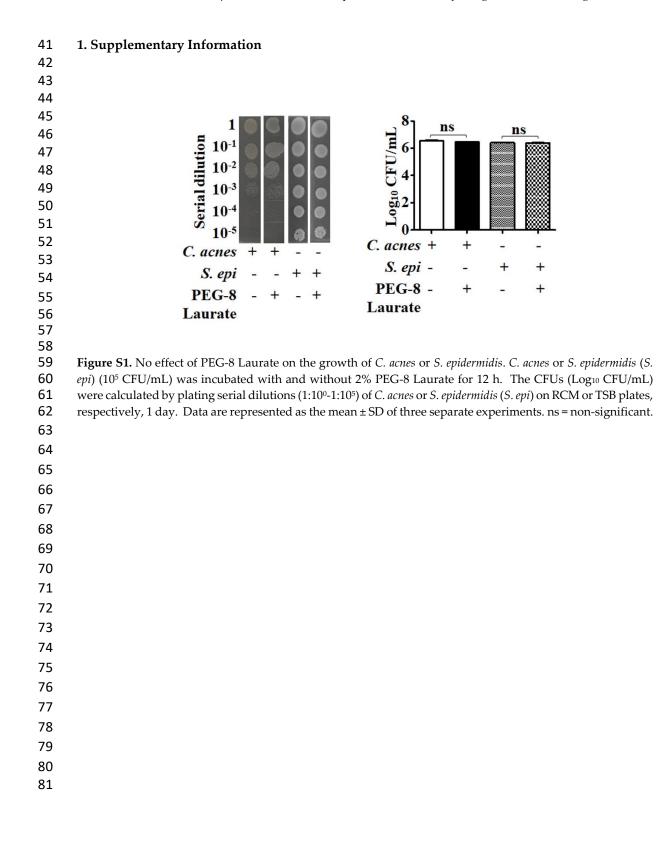


Supplementary Materials

PEG-8 Laurate Fermentation of Staphylococcus epidermidis Reduces the Required Dose of

Clindamycin Against Cutibacterium acnes

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6	Shinta Marito ¹ , Sunita Keshari ² , and Chun-Ming Huang ^{1*}
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8	¹ Department of Biomedical Sciences and Engineering, National Central University, Taoyuan 32001,
9	Taiwan; shintasimbolon53@yahoo.com (S.M); chunming@ncu.edu.tw (CM.H)
10	² Department of Life Sciences, National Central University, Taoyuan, 32001, Taiwan;
11	sunitakeshari827@gmail.com (S. K)
12	
13	*Correspondence: Professor Chun-Ming Huang, Department of Biomedical Sciences and
14	Engineering, National Central University, Taoyuan; E-mail address: chunming@ncu.edu.tw; Tel:
15	+886-3-422-7151 x 36101; Fax: +886-3-425-3427
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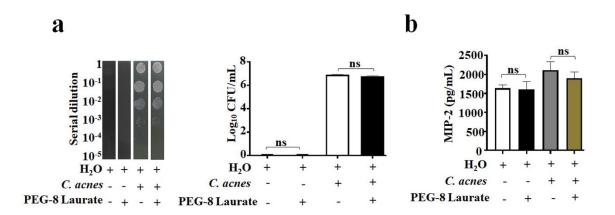


Figure S2. No influence of PEG-8 Laurate on the growth of *C. acnes* and *C. acnes*-induced MIP-2 production.
The ears of ICR mice were intradermally injected with *C. acnes* (10⁷ CFU) with and without 2% PEG-8 Laurate
for 5 d. Mice ears injected with H₂O was included as control. (a) the number (Log₁₀ CFU) of *C. acnes* in ear
homogenates, and (b) the levels of MIP-2 cytokines were quantified as described in Materials and Methods.
Data are represented as the mean ± SD of three separate experiments using three mice per group; ns = nonsignificant.

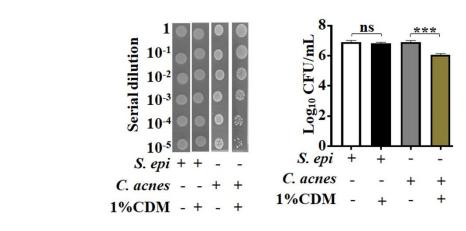


Figure S3. Inhibition of *C. acnes* growth by clindamycin. *S. epidermidis* (*S. epi*) or *C. acnes* (10⁷ CFU) was incubated with and without 1% clindamycin (CDM) for 24 h. After plating serial dilution (1:10⁰-1:10⁵) of bacterial cultures on agar plates, the CFUs (Log₁₀ CFU/mL) of *S. epi* and *C. acnes* were quantified. Data are represented as the mean ± SD, *** p < 0.001 (two-tailed t-tests); ns = non-significant.