

Pseudoalteromone A, a Ubiquinone Derivative from Marine *Pseudoalteromonas* spp., Suppresses Melanogenesis.

Su Jin Lim ^{1,†}, Daejin Min ^{2,†}, Sohee Kim ^{3,†}, Jihye Lee ^{4,5}, Eun-Soo Lee ², Hyuk Kim ², Sung Yoen Cho ², Heung Soo Beak ², Chang Seok Lee ^{1,*}, Sang-Jip Nam ^{4,*} and Jaeyoung Ko ^{2,*}

¹ Department of Beauty and Cosmetic Science, Eulji University, Seongnam 13135, Republic of Korea; jimnote91@naver.com (S.J.L)

² Basic Research & Innovation Division Amorepacific R&D Unit, Yongin 17074, Republic of Korea; djmin@amorepacific.com (D.M.), soopian82@gmail.com (E.-S.L.), atharabia@amorepacific.com (H.K.), csy123@amorepacific.com (S.Y.C.), monmimi@amorepacific.com (H.S.B.)

³ The Graduate School of Industrial Pharmaceutical Sciences, Ewha Womans University, Seoul 03760, Republic of Korea; chi0736@naver.com (S.K)

⁴ Department of Chemistry and Nanoscience, Ewha Womans University, Seoul 03760, Republic of Korea, Korea; jl3414@gmail.com (J.L)

⁵ Laboratories of Marine New Drugs, REDONE Seoul, Seoul 08594, Republic of Korea

* Correspondence: cslee2010@eulji.ac.kr (C.S.L), sjnam@ewha.ac.kr (S.-J.N.), jaeyoungko@amorepacific.com (J.K.)

† These authors contributed equally to this work

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Figure S1 ^1H NMR spectrum (400 MHz, $\text{CD}_3\text{O D}$) of pseudoalteromone A (**1**)

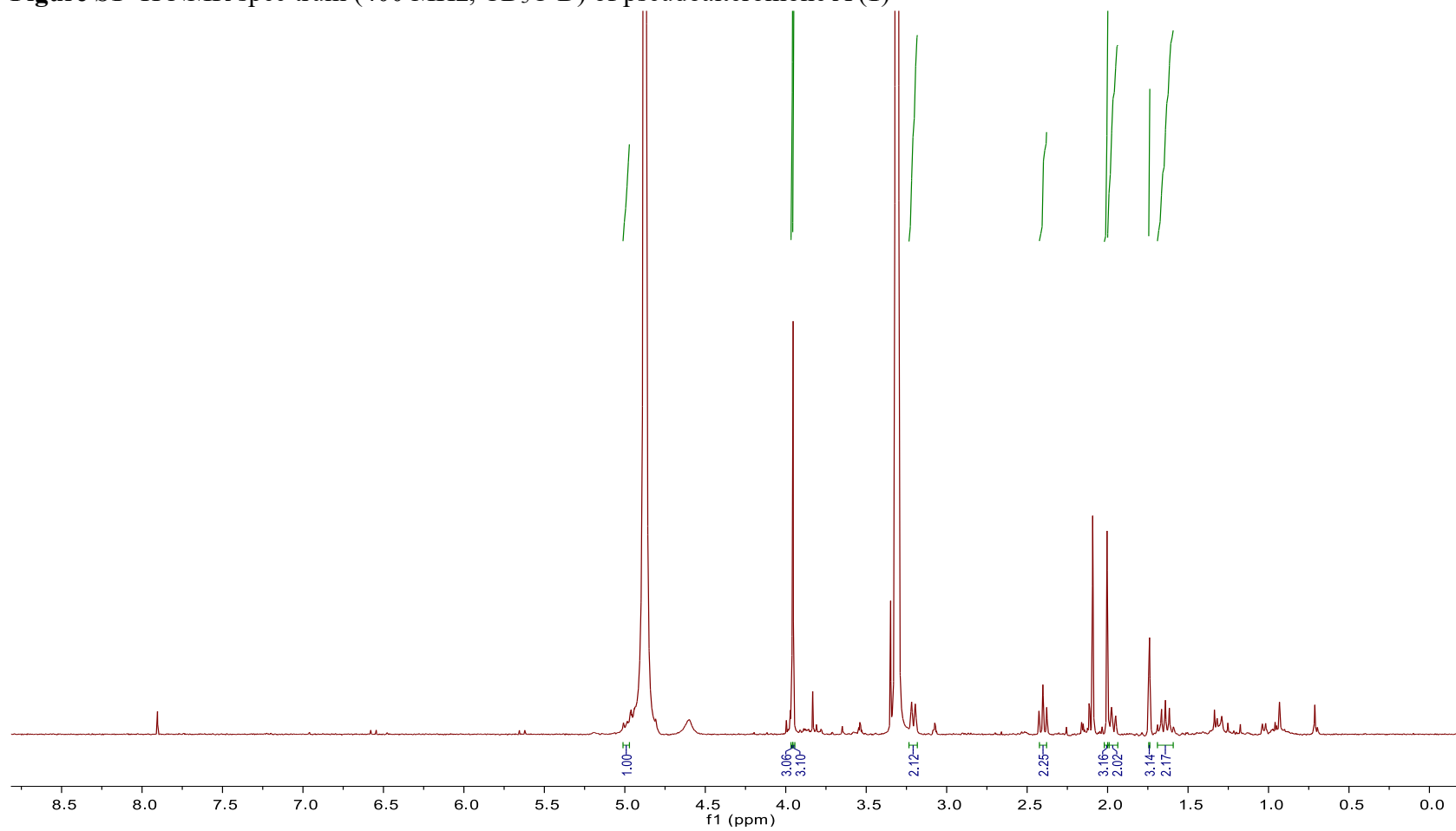


Figure S2 ^{13}C NMR spectrum (125 MHz, CD_3OD) of pseudoalteromone A (**1**)

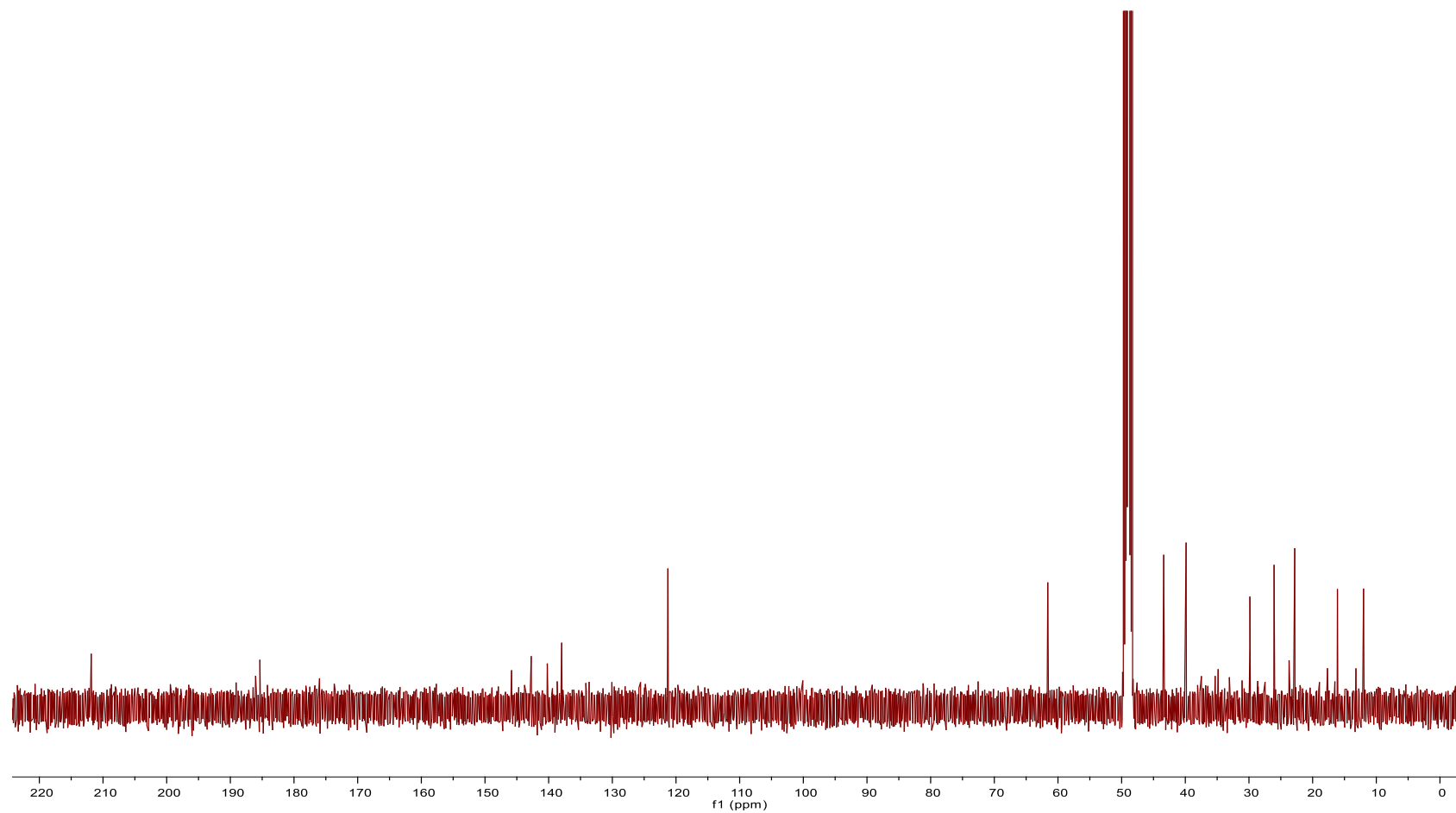


Table S1 Experimental (A) and reference (B) ^1H and ^{13}C NMR data of pseudoalteromone A (**1**)

A			B ^a	
No.	δ_{C} , mult. ^b	δ_{H} , (J in Hz)q ^{b, c}	δ_{C} , mult. ^d	δ_{H} , (J in Hz) ^d
1	26.1, CH ₂	3.21, d (6.8)	26.0, CH ₂	3.19, d (6.8)
2	121.3, CH	4.96, tq (6.8, 0.8)	121.3, CH	4.96, m
3	138.0, qC		138.0, qC	
4	39.9, CH ₂	1.97, t (7.6)	39.9, CH ₂	1.97, t (7.5)
5	22.8, CH ₂	1.64, q (7.6)	22.8, CH ₂	1.64, q (7.6)
6	43.4, CH ₂	2.40, t (7.6)	43.5, CH ₂	2.39, t (7.6)
7	211.9, qC		211.8, qC	
8	29.9, CH ₃	2.09, s	29.9, CH ₃	2.09, s
9	16.1, CH ₃	1.74, d (0.8)	16.1, CH ₃	1.72, d (0.8)
1'	186.0, qC		186.2, qC	

2'	140.2, qC		140.3, qC	
3'	142.7, qC		142.7, qC	
4'	185.4, qC		185.4, qC	
5'	145.8, qC		145.9, qC	
6'	145.9, qC		146.1, qC	
7'	12.0, CH ₃	2.00, s	12.0, CH ₃	1.99, s
5'-OMe	61.5, CH ₃	3.96, s	61.6, CH ₃	3.96, s
6'-OMe	61.6, CH ₃	3.97, s	61.7, CH ₃	3.97, s

^a Reference 7: Ding, L.; He, S.; Yan, X. Efficient preparation of pseudoalteromone A f from marine *Pseudoalteromonas rubra* QD1-2 by combination of response surface methodology and high-speed counter-current chromatography: a comparison with high-performance liquid chromatography. *Mircobiol. Biotech.* 2014, 98, 4369–4377.

^b 400MHz for ¹H NMR and 125MHz for ¹³C NMR in CD₃OD.

^c Numbers of attached protons were determined by analysis of 2D spectra.

^d 500MHz for ¹H NMR and 125MHz for ¹³C NMR in CD₃OD.