**SUPPLEMENTARY MATERIAL**

# Isolation and structure elucidation of a novel symmetrical macrocyclic phthalate hexaester

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**Abstract:** A novel symmetrical macrocyclic hexaester (**1**) and a macrocyclic tetraester (**2**), were isolated during a natural product exploring program on the cyanobacterium *Moorea producens*. Their structures were elucidated based on spectroscopic data, including nuclear magnetic resonance and high-resolution mass spectra. In the antibacterial activity test, compounds **1** and **2** showed no bioactivity at the concentration tested.

**Keywords:** phthalate ester; cyanobacterium; *Moorea producens*, isolation; structural elucidation

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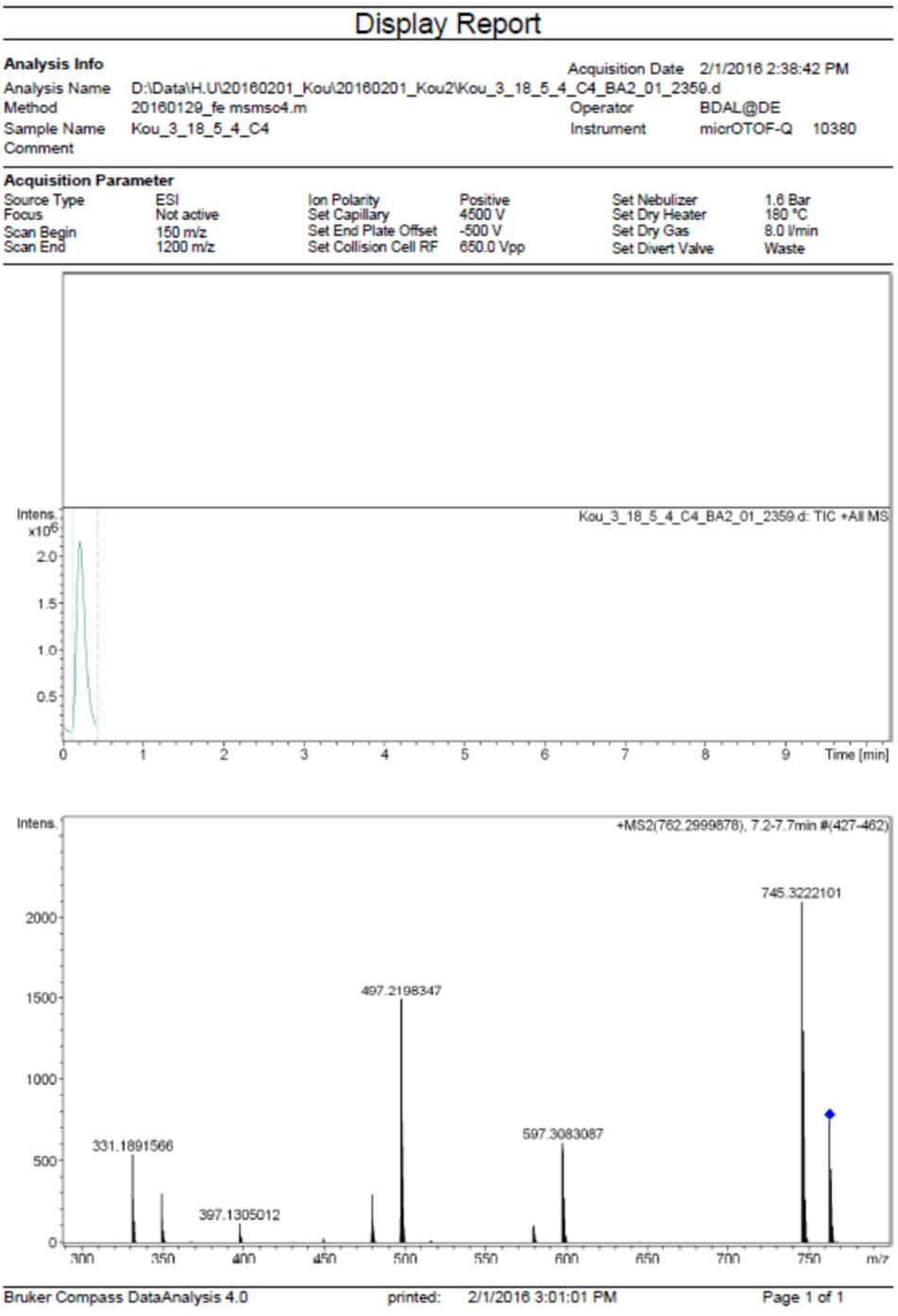


Figure S1. HR-ESI-MS spectrum of compound **1**

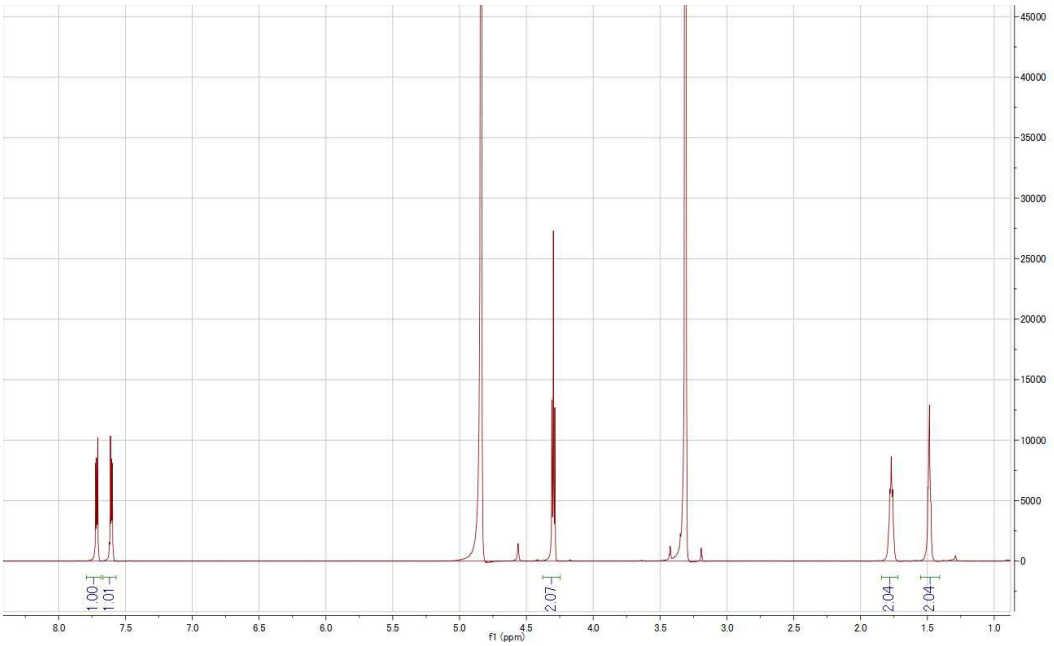


Figure S2. $^{1}$H-NMR spectrum of compound **1** in $CD_3OD$

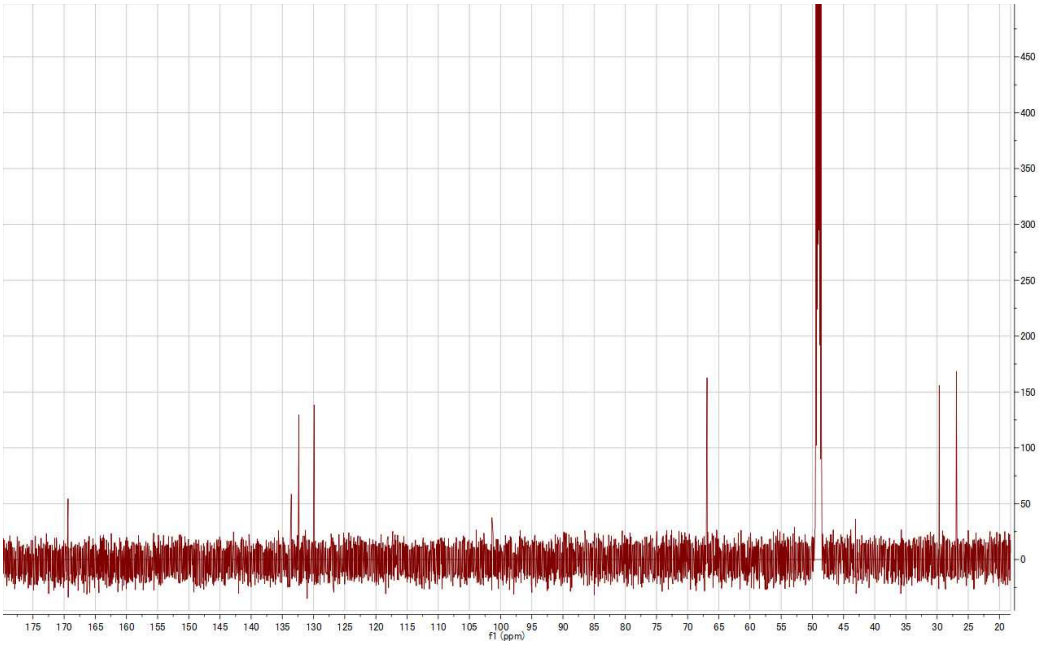


Figure S3. $^{13}$C-NMR spectrum of compound **1** in $CD_3OD$

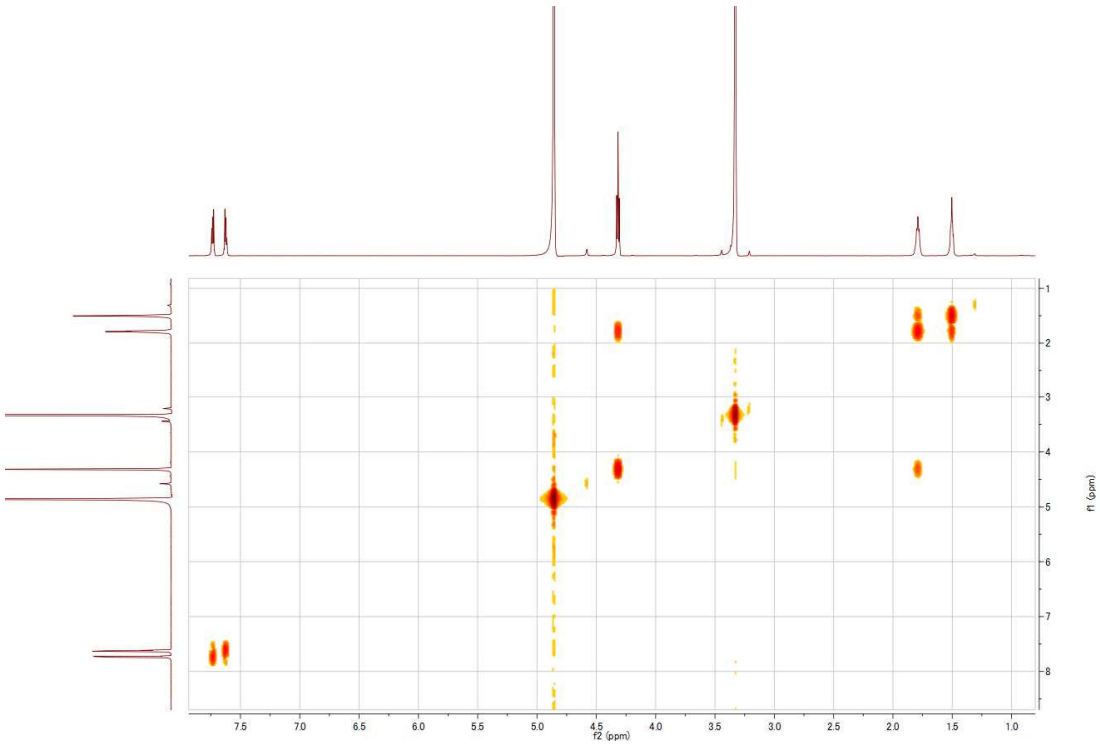


Figure S4. $^{1}H$-$^{1}H$ COSY spectrum of compound **1** in $CD_3OD$

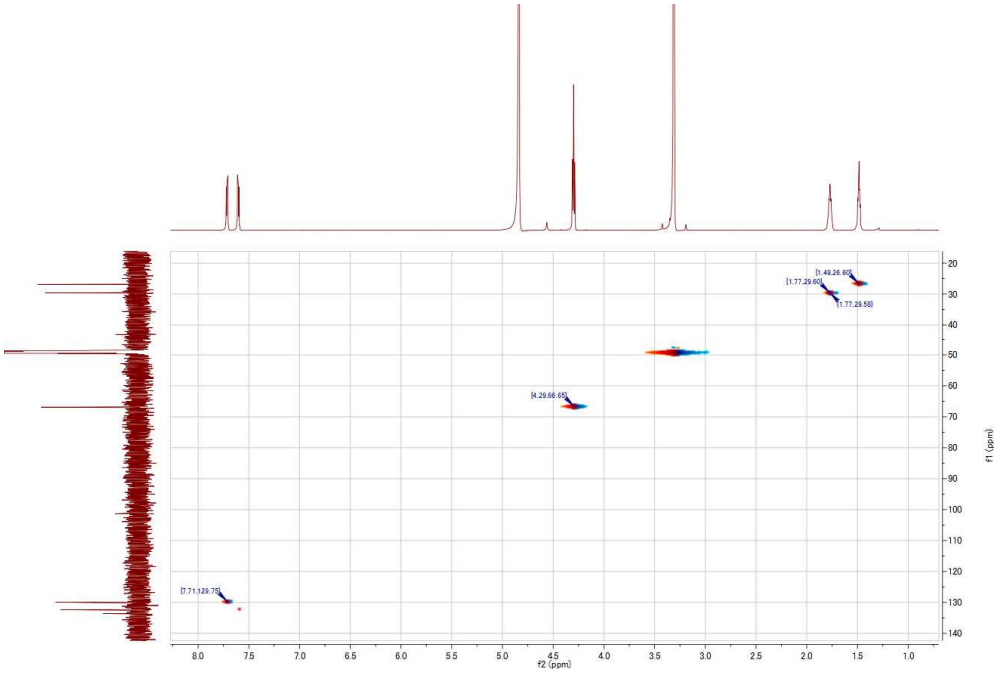


Figure S5. $^{1}H$-$^{13}C$ HSQC spectrum of compound **1** in $CD_3OD$

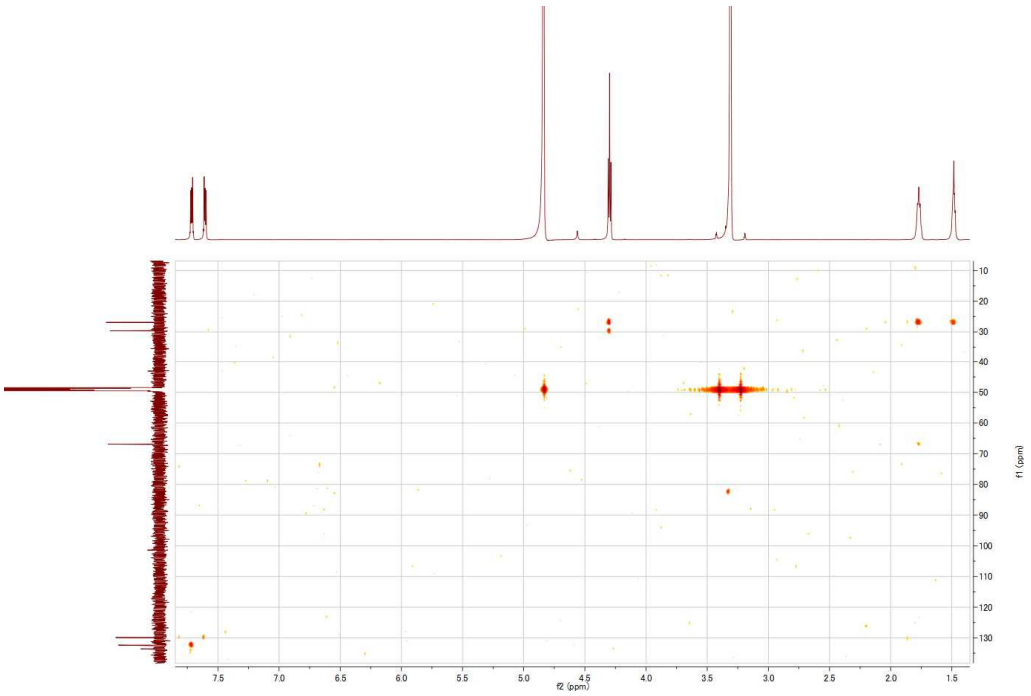


Figure S6. $^{1}H$-$^{13}C$ HMBC spectrum of compound **1** in $CD_3OD$