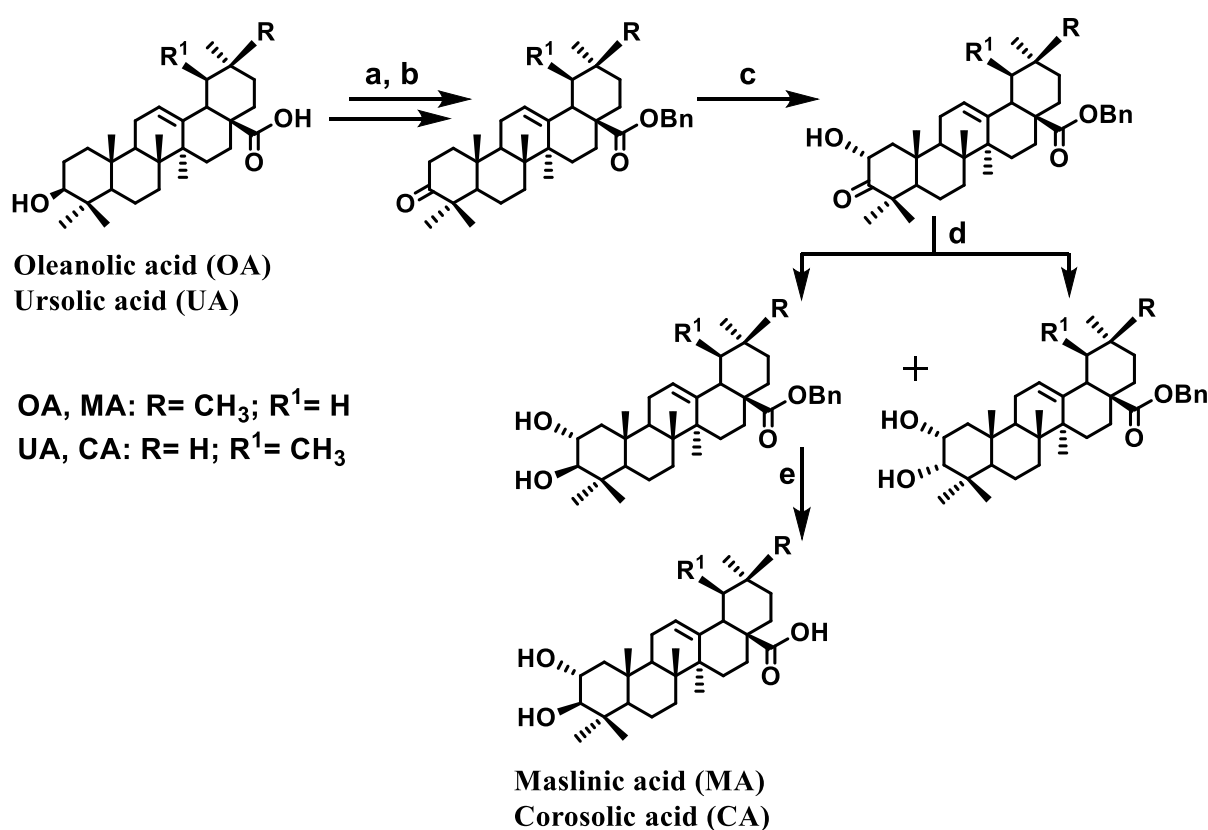
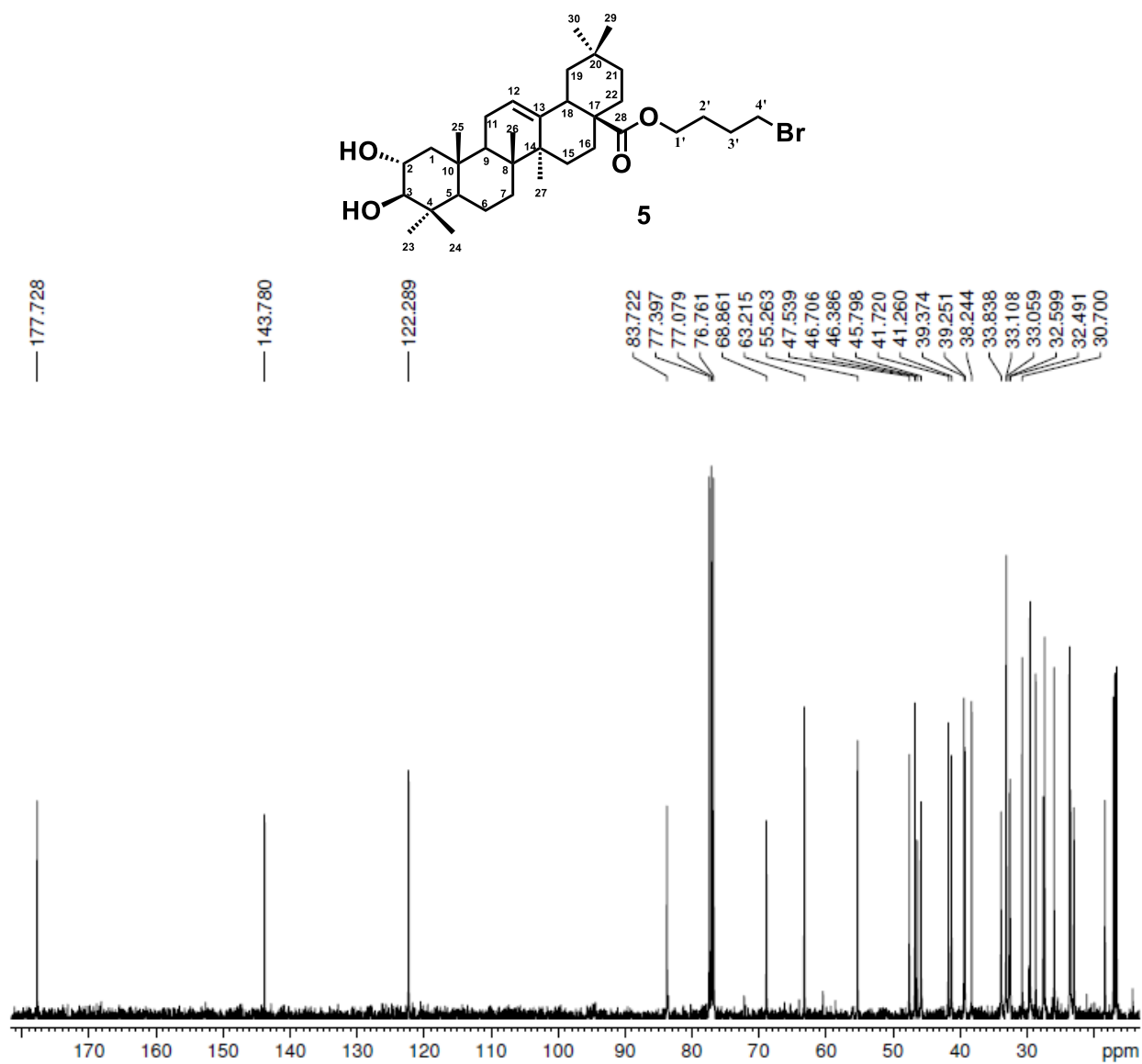


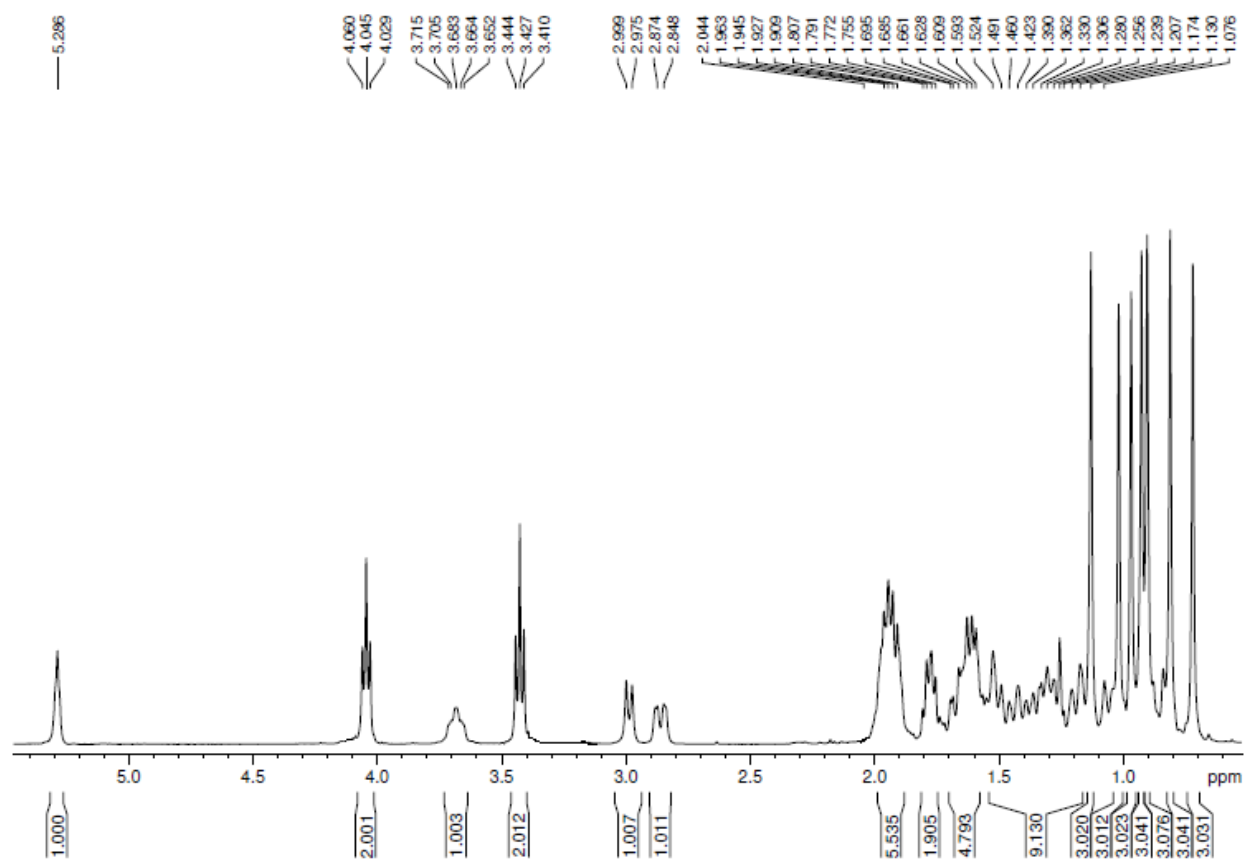
Supplementary Material: Conjugation of Triterpenic Acids of Ursane and Oleanane Types with Mitochondria-targeting Cation F16 Synergistically Enhanced Their Cytotoxicity Against Tumor Cells

Mikhail V. Dubinin, Darya A. Nedopekina, Anna I. Ilzorkina, Alena A. Semenova, Vyacheslav A. Sharapov, Eldar V. Davletshin, Natalia V. Mikina, Yuri P. Belsky, Anna Yu. Spivak, Vladimir S. Akatov, Natalia V. Belosludtseva, Jiankang Liu and Konstantin N. Belosludtsev

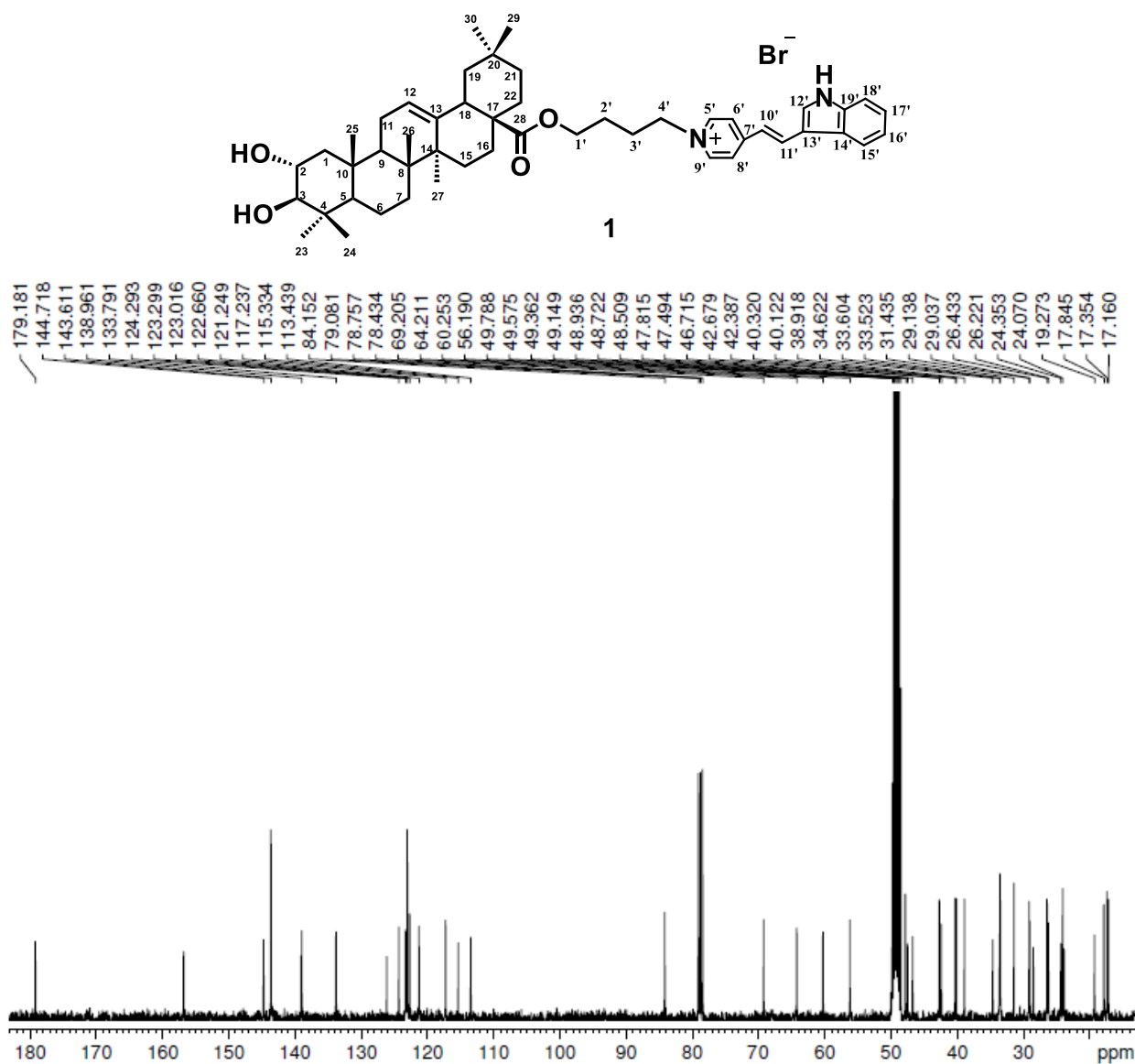


Scheme S1. Synthesis of maslinic and corosolic acids: Reagents and conditions: **a** BnCl, K₂CO₃, DMF, 50 °C, 2 h; **b** CrO₃, H₂SO₄, acetone, 0 °C; **c** mCPBA, H₂SO₄, MeOH–CH₂Cl₂, 0 °C; **d** NaBH₄ or NaBH₄–CeCl₃·7H₂O, MeOH–THF, rt; **e** Pd–C/10%, H₂, MeOH–THF, rt.

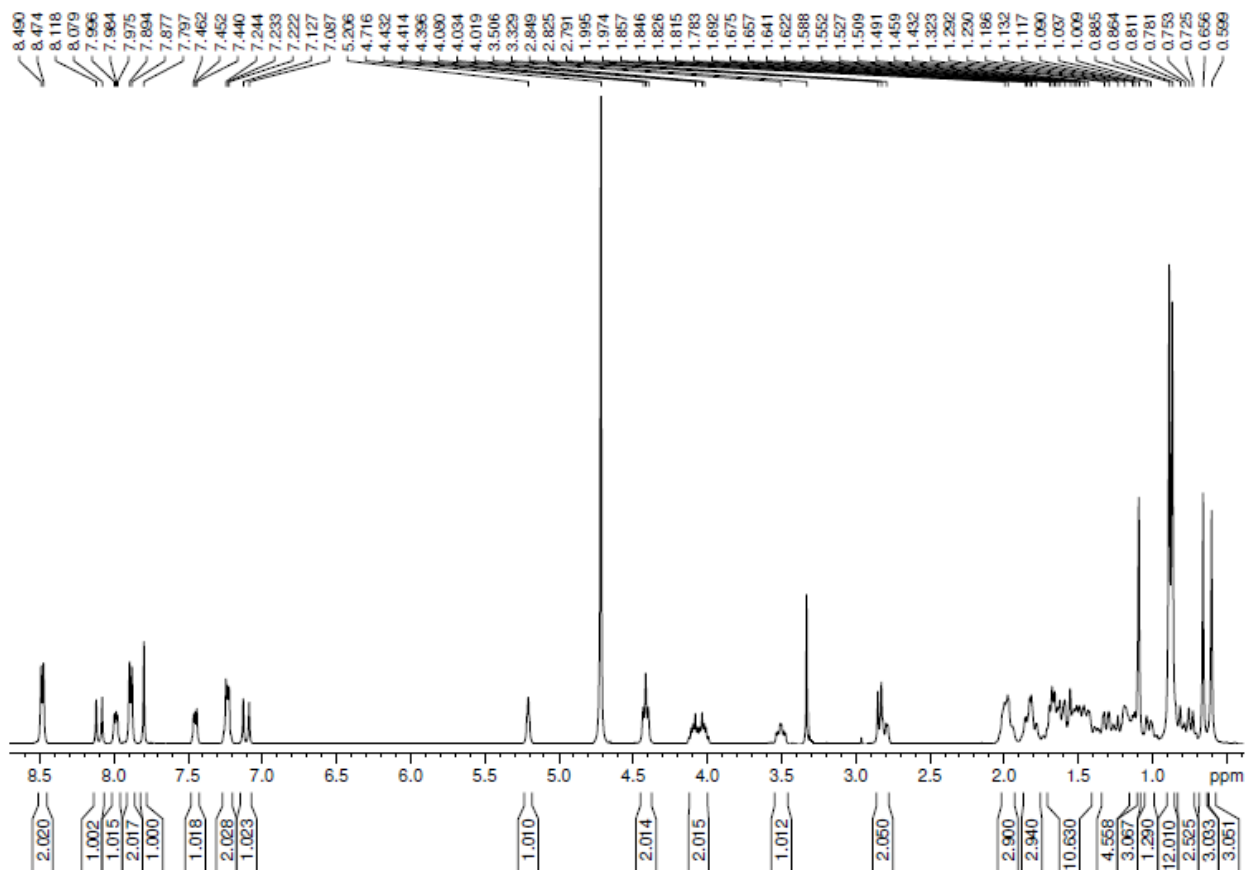
4-Bromobutyl-2 α ,3 β -dihydroxy-olean-12-en-28-oate (5). **^{13}C NMR spectra (CDCl_3)**

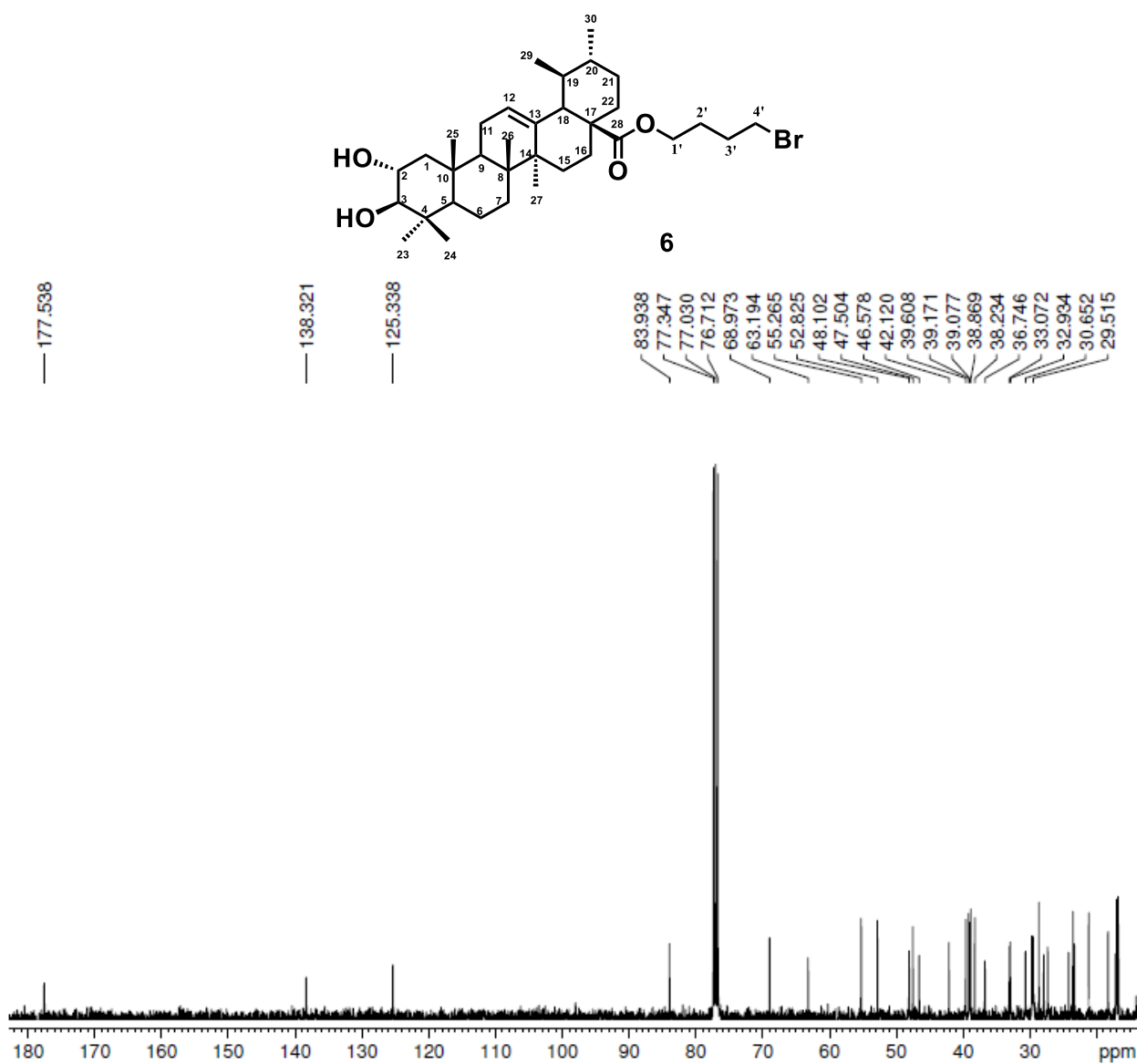
4-Bromobutyl-2 α ,3 β -dihydroxy-olean-12-en-28-oate (5). **^1H NMR spectra (CDCl_3)**

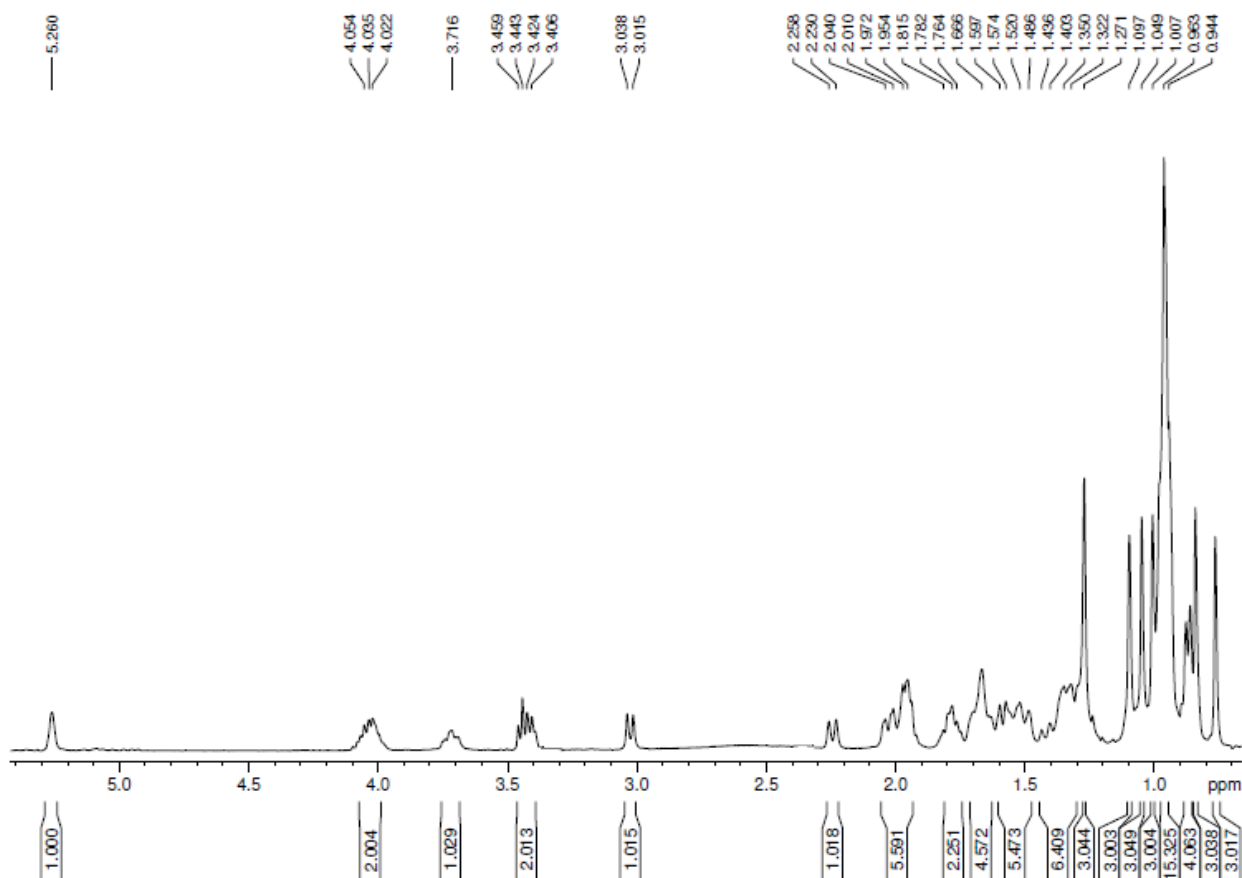
**N-{4-[(2 α ,3 β -dihydroxy-olean-12-en-28-oyl)-butyl]-(E)-4-[2-(1H-indol-3-yl)-vinyl]}pyridinium
bromide (1). ^{13}C NMR spectra (MeOD/ CDCl_3)**



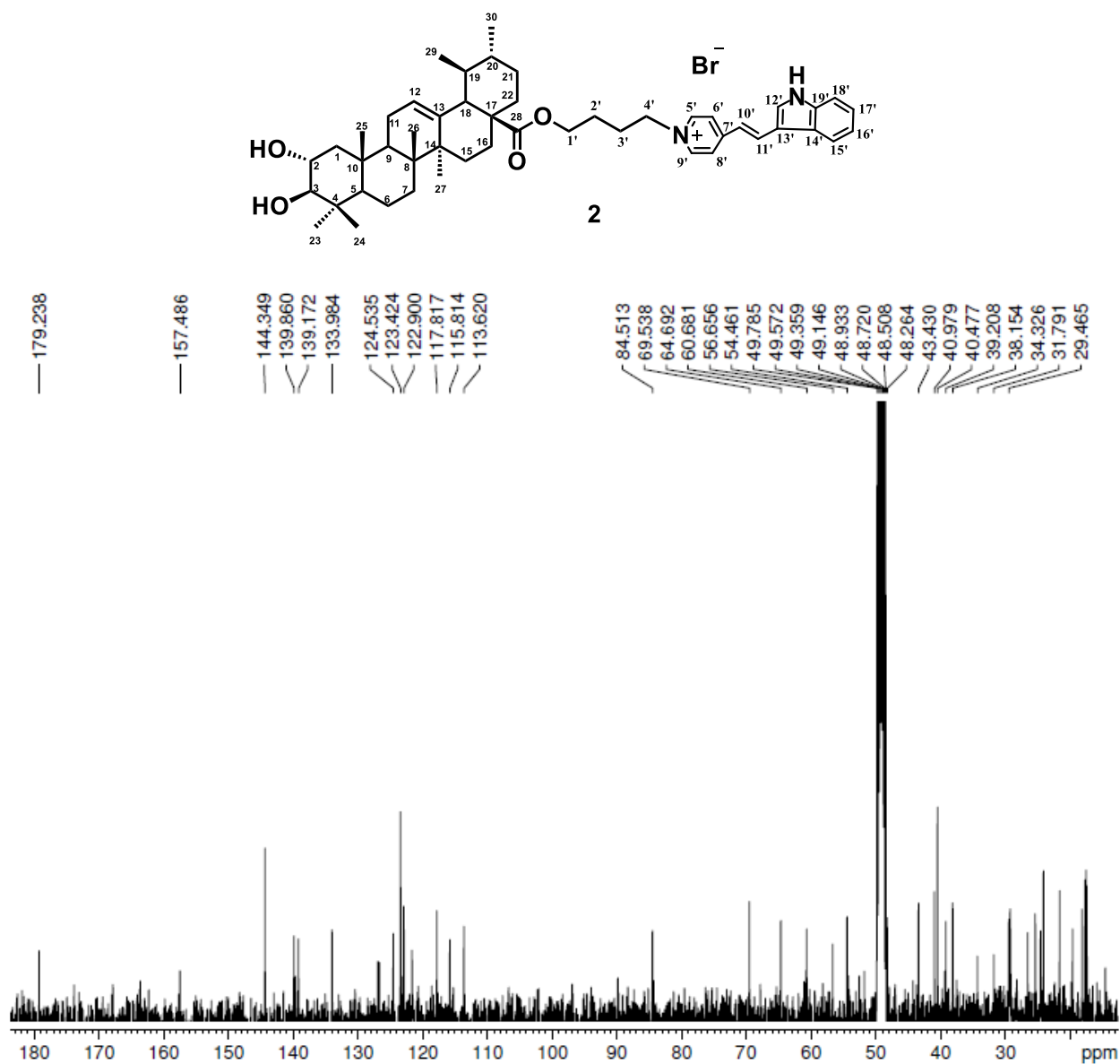
**N-{4-[(2 α ,3 β -dihydroxy-olean-12-en-28-oyl)-butyl]-(E)-4-[2-(1H-indol-3-yl)-vinyl]}pyridinium
bromide (1). ^1H NMR spectra (MeOD/ CDCl_3)**



4-Bromobutyl-2 α ,3 β -dihydroxy-urs-12-en-28-oate (6). **^{13}C NMR spectra (CDCl_3)**

4-Bromobutyl-2 α ,3 β -dihydroxy-urs-12-en-28-oate (6). **^1H NMR spectra (CDCl_3)**

**N-{4-[(2 α ,3 β -dihydroxy-urs-12-en-28-oyl)-butyl]-(E)-4-[2-(1H-indol-3-yl)-vinyl]}pyridinium
bromide (2). ^{13}C NMR spectra (MeOD)**



**N-{4-[(2 α ,3 β -dihydroxy-urs-12-en-28-oyl)-butyl]-(E)-4-[2-(1H-indol-3-yl)-vinyl]}pyridinium
bromide (2). ^1H NMR spectra (MeOD)**

