

Supporting Information

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“New antimycobacterial and antimalarial 8,9-secokaurane diterpenes from *Croton kongensis*”

S1 ^1H NMR spectrum (CDCl_3) of *ent*-8,9-*seco*-7 α ,11 β -diacetoxykaura-8(14),16-dien-9,15-dione (**1**)

S2 ^{13}C NMR spectrum (CDCl_3) of *ent*-8,9-*seco*-7 α ,11 β -diacetoxykaura-8(14),16-dien-9,15-dione (**1**)

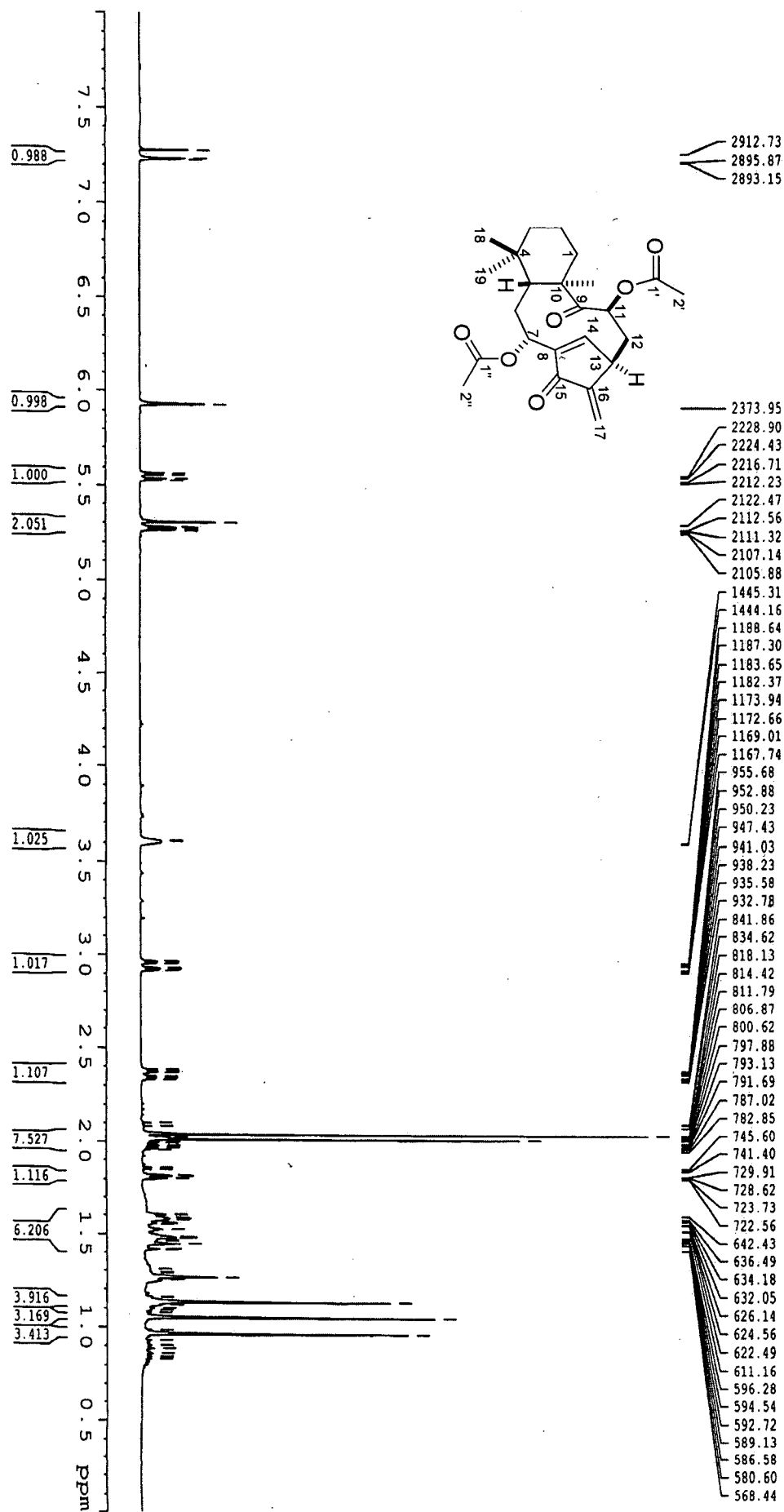
S3 ^1H NMR spectrum (CDCl_3) of *ent*-8,9-*seco*-8,14-epoxy-7 α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (**2**)

S4 ^{13}C NMR spectrum (CDCl_3) of *ent*-8,9-*seco*-8,14-epoxy-7 α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (**2**)

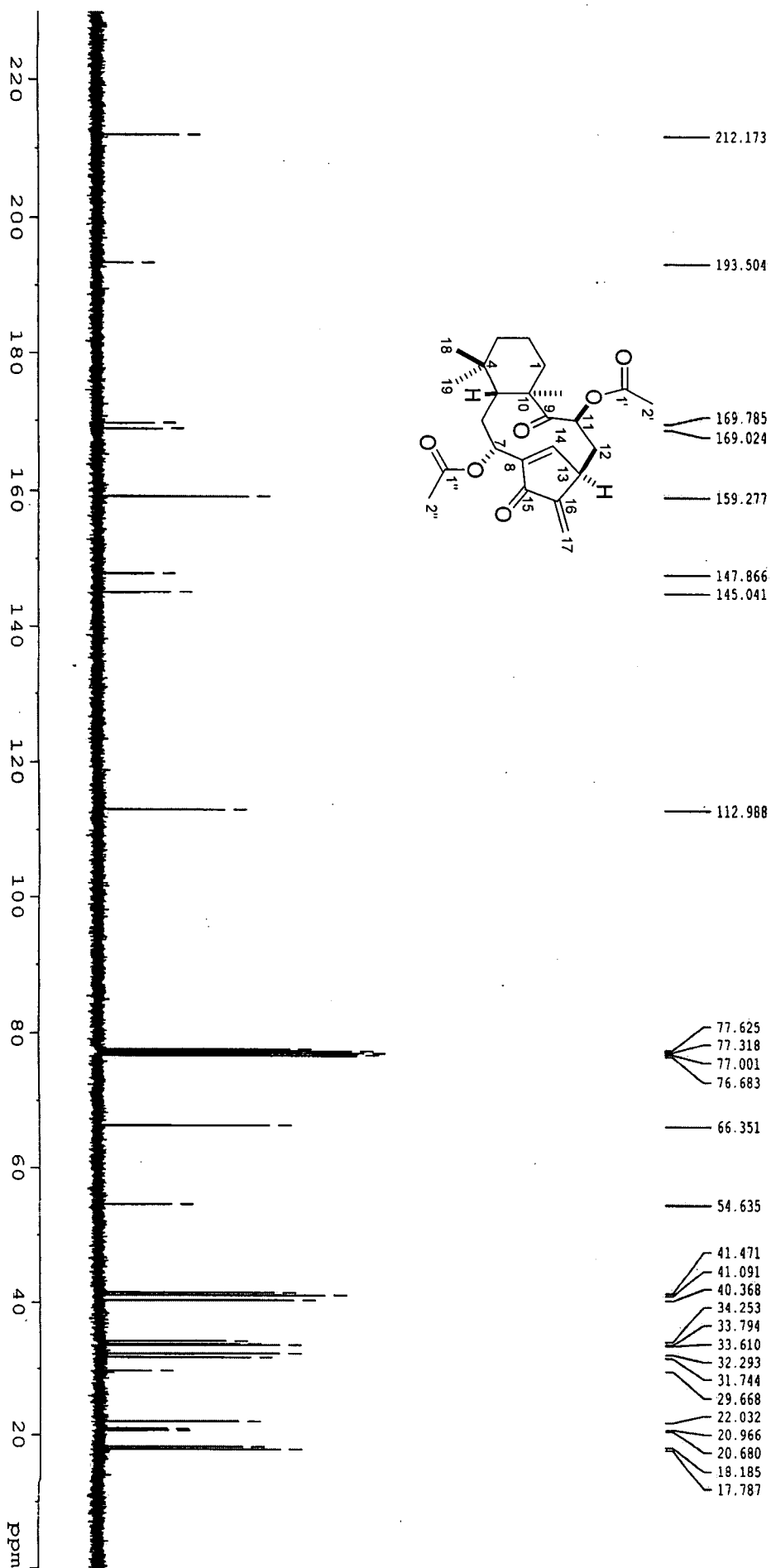
S5 NOESY spectrum (CDCl_3) of *ent*-8,9-*seco*-8,14-epoxy-7 α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (**2**)

Table S1 Biological activities of 8,9-secokauranes **1-3**.

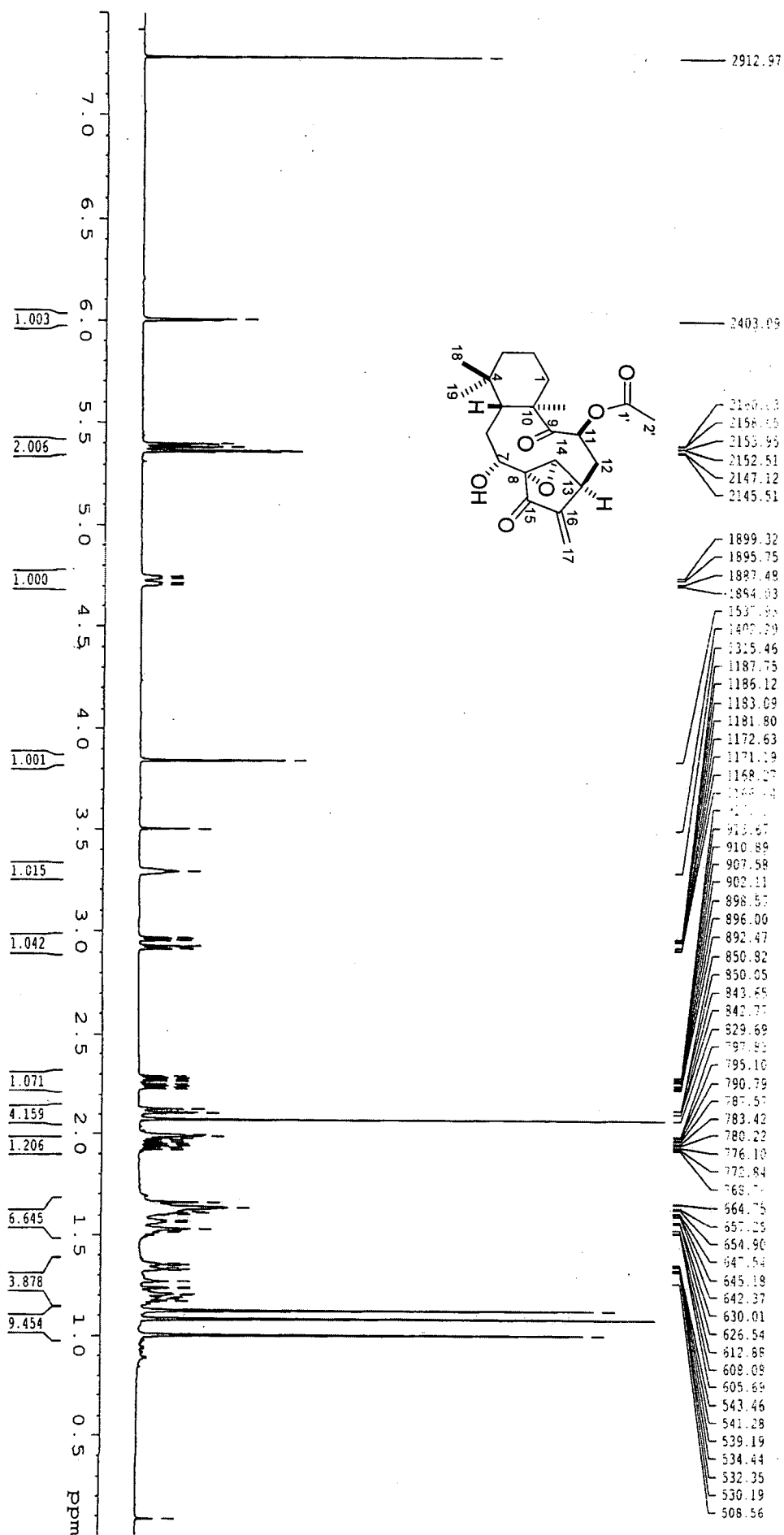
S1 ¹H NMR spectrum (CDCl₃) of *ent*-8,9-*seco*-7 α ,11 β -diacetoxykaura-8(14),16-dien-9,15-dione (1)



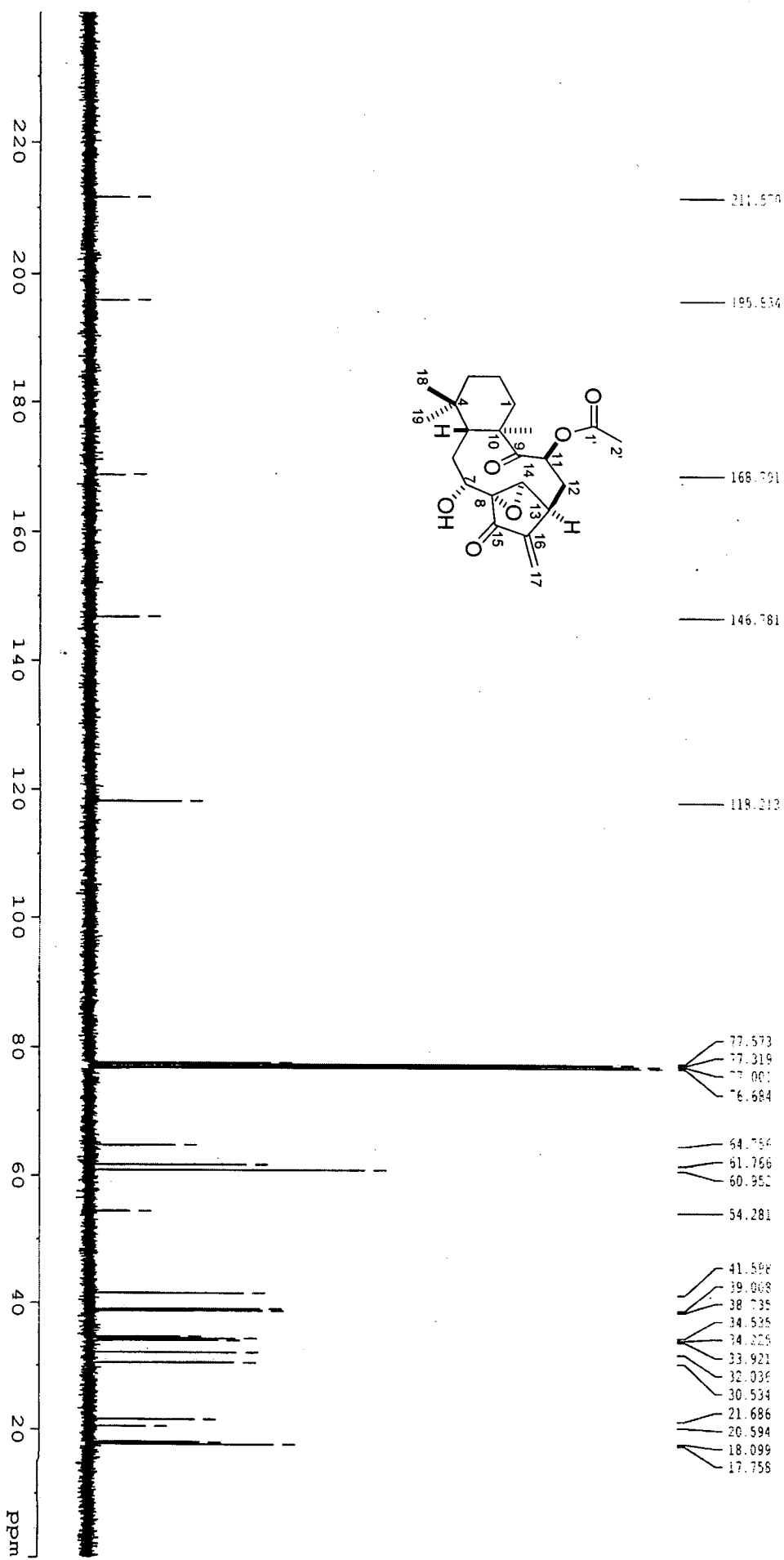
S2 ^{13}C NMR spectrum (CDCl₃) of *ent*-8,9-*seco*-7 α ,11 β -diacetoxykaura-8(14),16-dien-9,15-dione (**1**)



S3 ¹H NMR spectrum (CDCl₃) of *ent*-8,9-*seco*-8,14-epoxy-7 α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (2)



S4 ^{13}C NMR spectrum (CDCl_3) of *ent*-8,9-*seco*-8,14-epoxy-7- α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (2)



S5 NOESY spectrum (CDCl₃) of *ent*-8,9-*seco*-8,14-epoxy-7- α -hydroxy-11 β -acetoxy-16-kauren-9,15-dione (2)

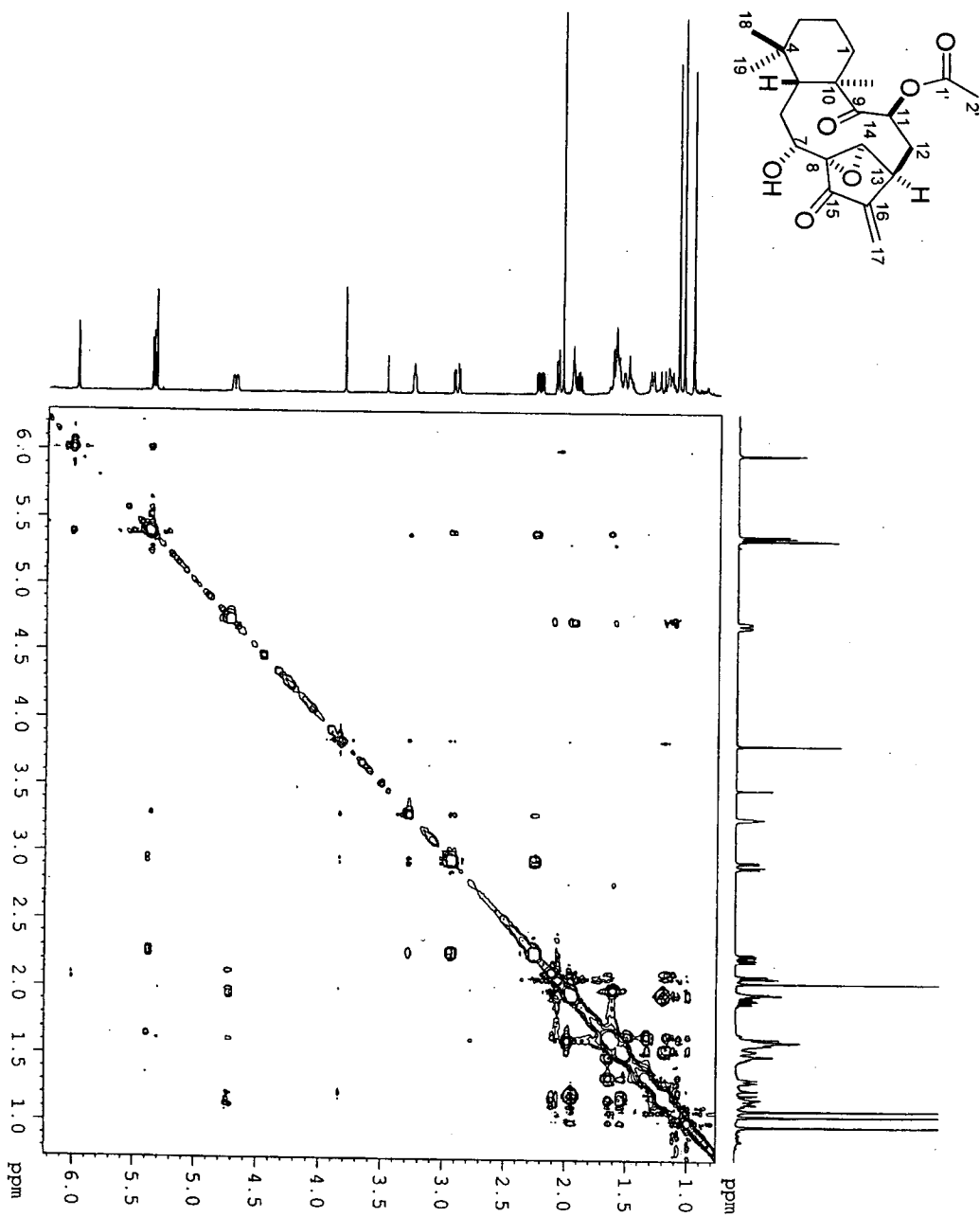


Table S1 Biological Activities of 8,9-Secokauranes 1-3.

Compound	Antimycobacterial ^a activity (MIC, $\mu\text{g/mL}$)	Antimalarial ^b activity (IC_{50} , $\mu\text{g/mL}$)	Cytotoxicity (IC_{50} , $\mu\text{g/mL}$) ^c		
			Vero cells	KB cells	BC cells
1	25.0	2.8	3.2	13.8	inactive ^d
2	6.25	1.0	0.9	3.4	2.2
3	6.25	1.0	0.9	1.2	1.1

^aStandard drugs, isoniazid and kanamycin sulfate, the reference compounds for the antimycobacterial assay, showed the MIC values of 0.040-0.090 and 2.0-5.0 $\mu\text{g/mL}$, respectively.

^bAn IC_{50} value of 1 ng/mL was observed for the standard compound, artemisinin, in the same test system.

^cThe reference compound, ellipticine, exhibited activity toward Vero, KB and BC cell lines with the IC_{50} ranges of 0.2-0.3 $\mu\text{g/mL}$.

^dInactive at 20 $\mu\text{g/mL}$