

Supplementary Materials

A novel PCC-catalyzed process involving the oxidative cleavage of an α -bromomethyl-tetrahydrofuran bond. Synthesis of (2*S*,3*R*)-2-((*R*)-bromo ((2*R*,3*R*,5*S*,6*R*)-3,5-dibromo-6-ethyltetrahydro-2*H*-pyran-2-yl)methyl)-5-oxotetrahydrofuran-3-yl benzoate

Vincenzo Piccialli*

Dipartimento di Scienze Chimiche, Università degli Studi di Napoli 'Federico II',
Complesso di Monte S. Angelo, Via Cintia, 80126 Napoli, Italy.

Correspondence vinpicci@unina.it

Table of contents

Figure S1: ^1H -NMR spectrum of **2** (CDCl_3 , 400 MHz).

Figure S2: ^{13}C -NMR spectrum of **2** (CDCl_3 , 100 MHz).

Figure S3: ^1H -NMR spectrum of **3** (CDCl_3 , 400 MHz).

Figure S4: ^{13}C -NMR spectrum of **3** (CDCl_3 , 100 MHz).

Figure S5: EIMS spectrum of **3**.

Figure S6: HRESIMS spectrum of **3**.

Figure S7: FTIR spectrum of **3**

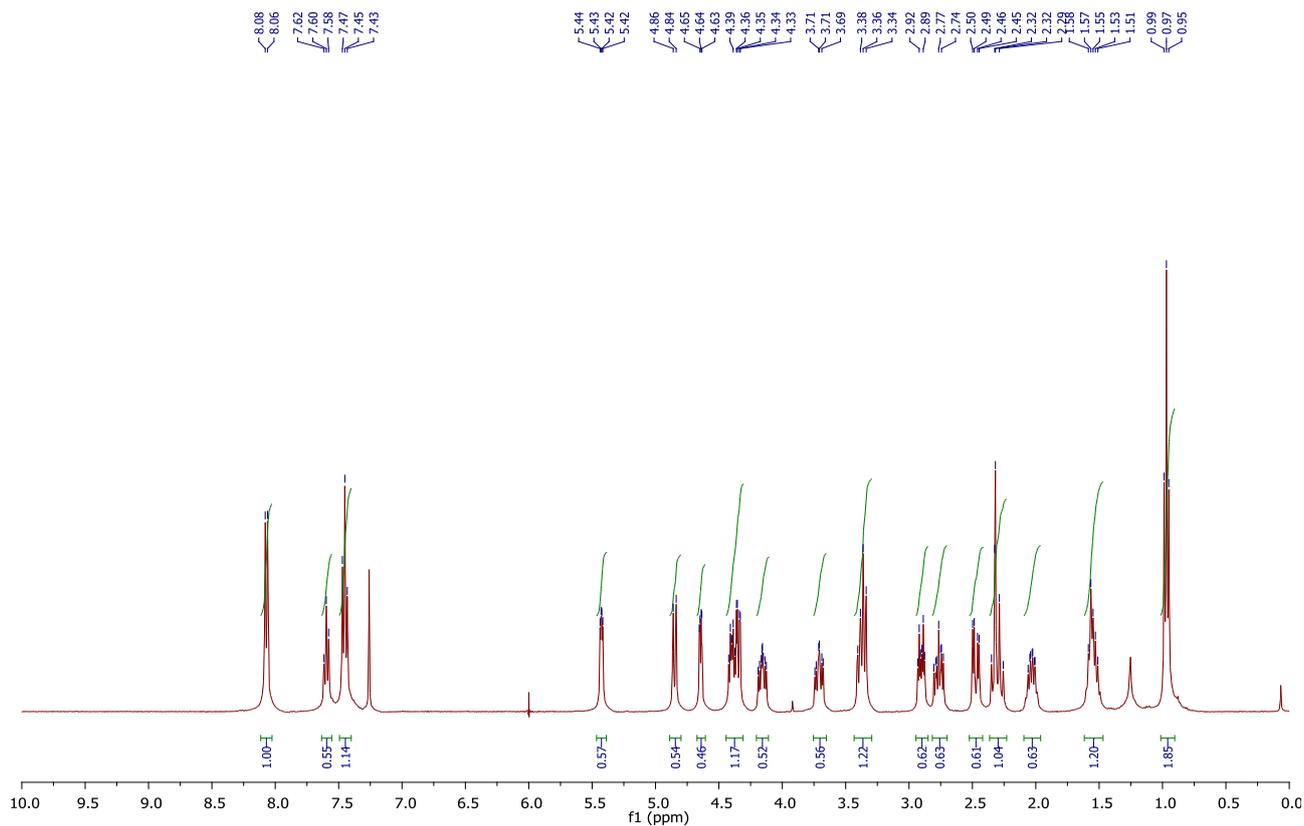


Figure S1: ^1H NMR spectrum of compound **2** (400 MHz, CDCl_3)

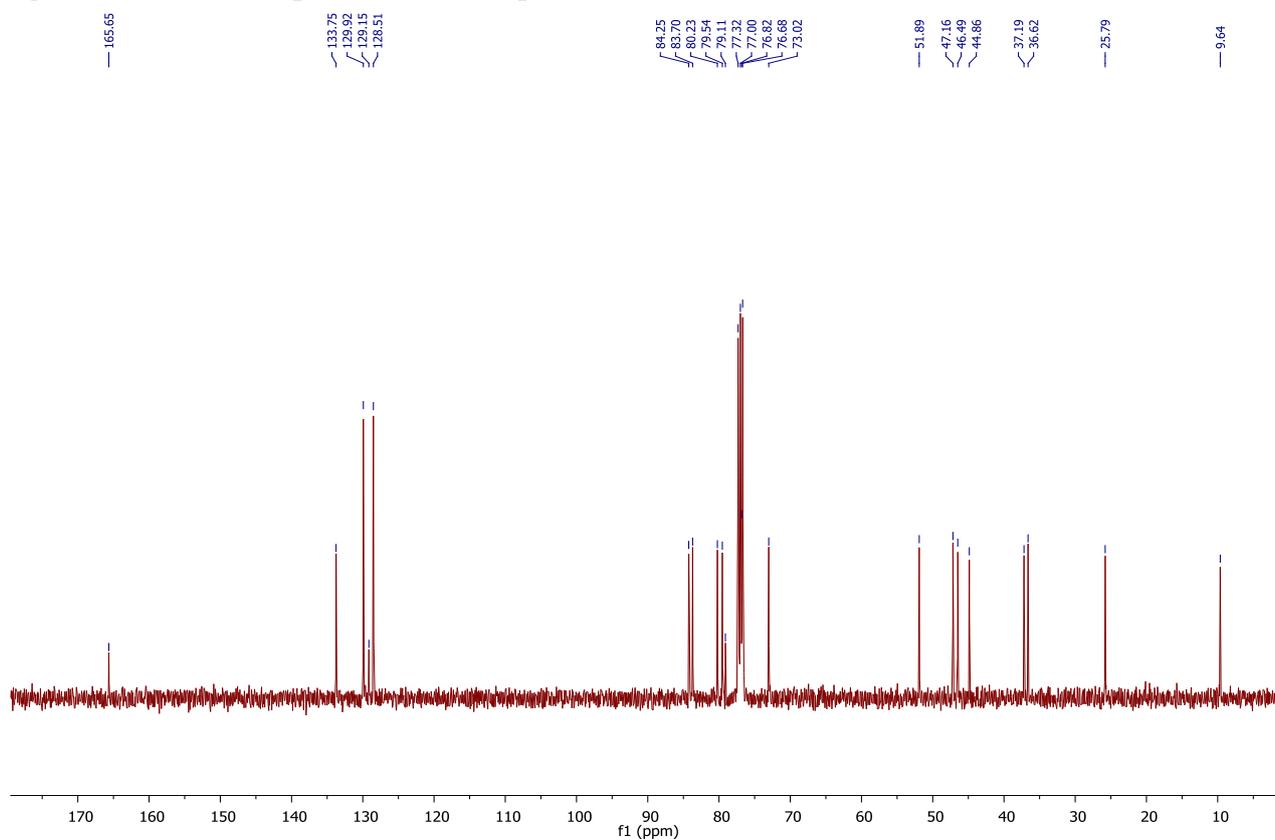


Figure S2: ^{13}C NMR spectrum of compound **2** (100 MHz, CDCl_3)

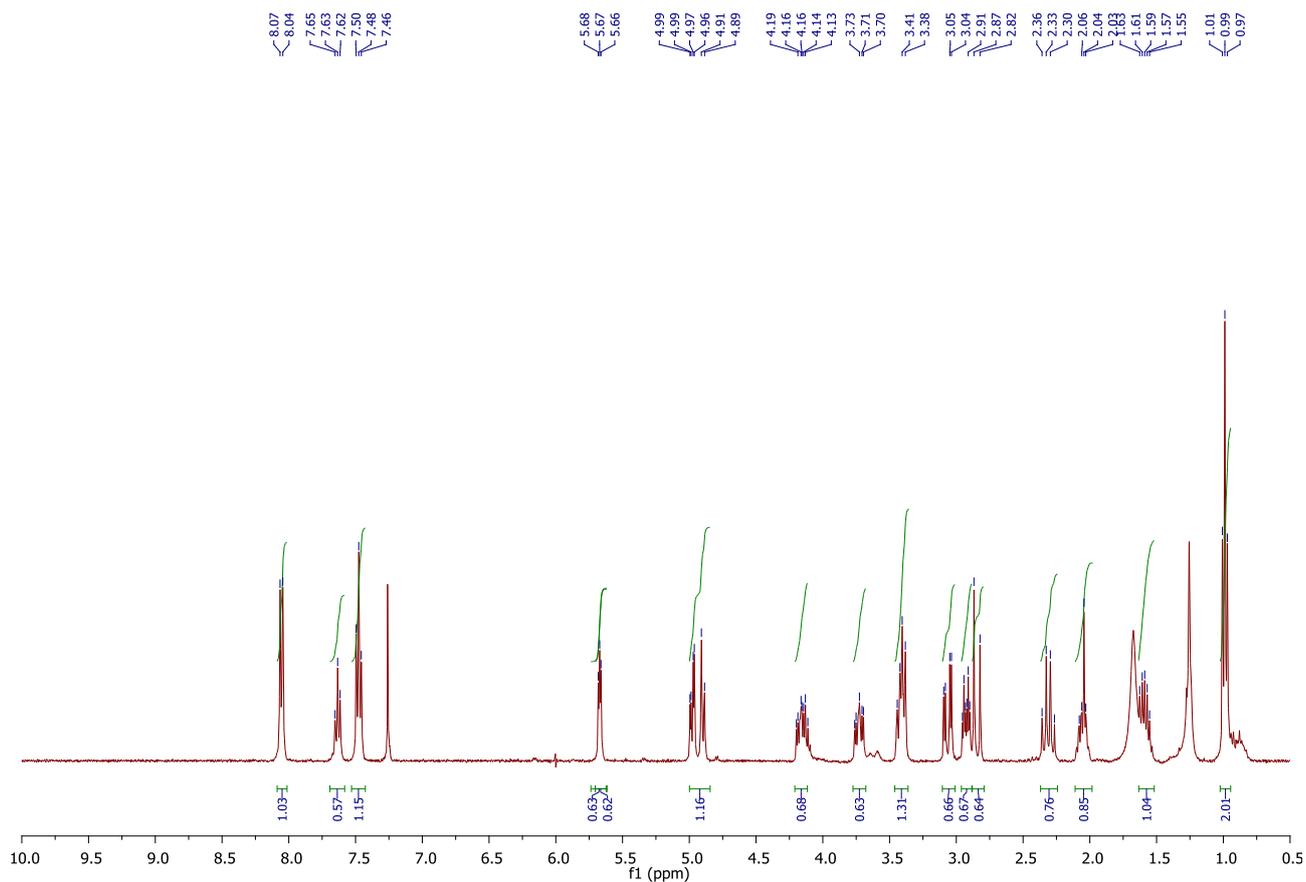


Figure S3: ^1H NMR spectrum of compound **3** (400 MHz, CDCl_3)

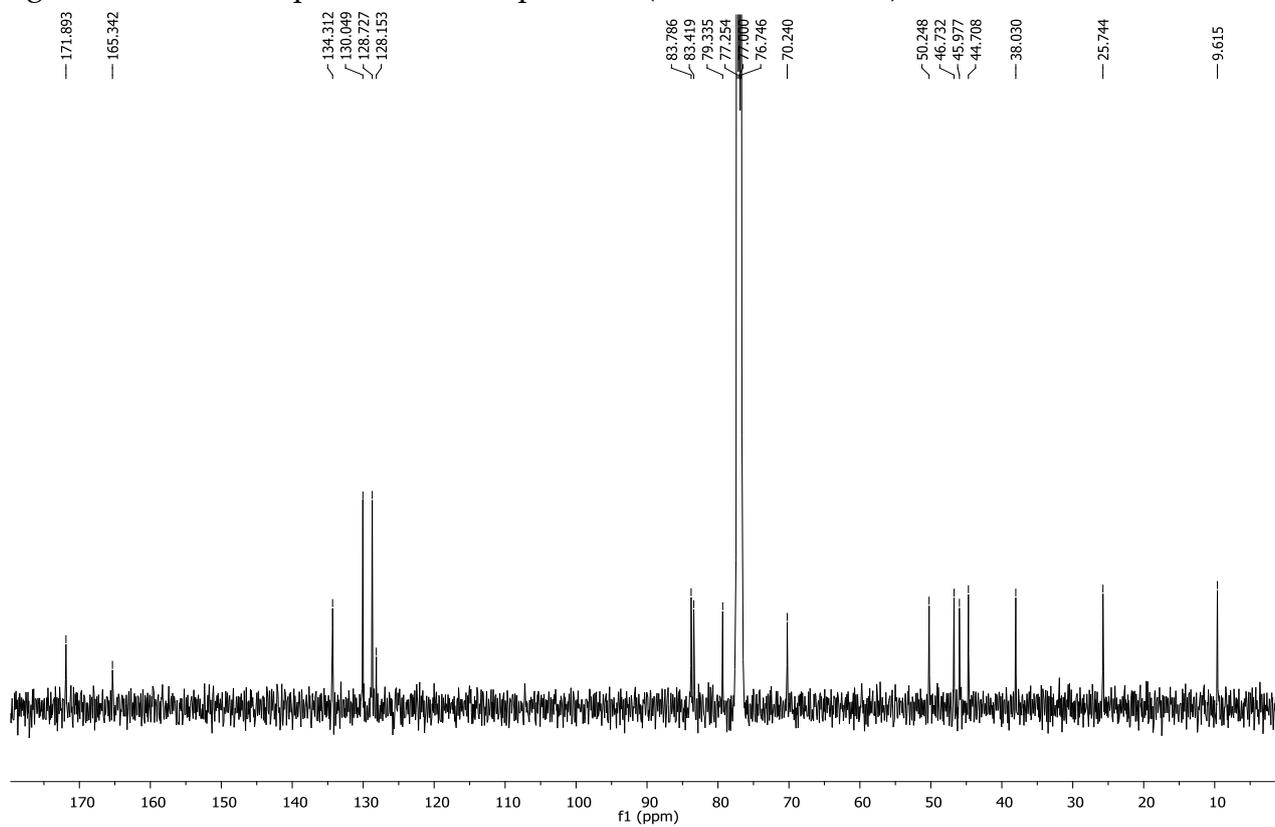


Figure S4: ^{13}C NMR spectrum of compound **3** (100 MHz, CDCl_3)

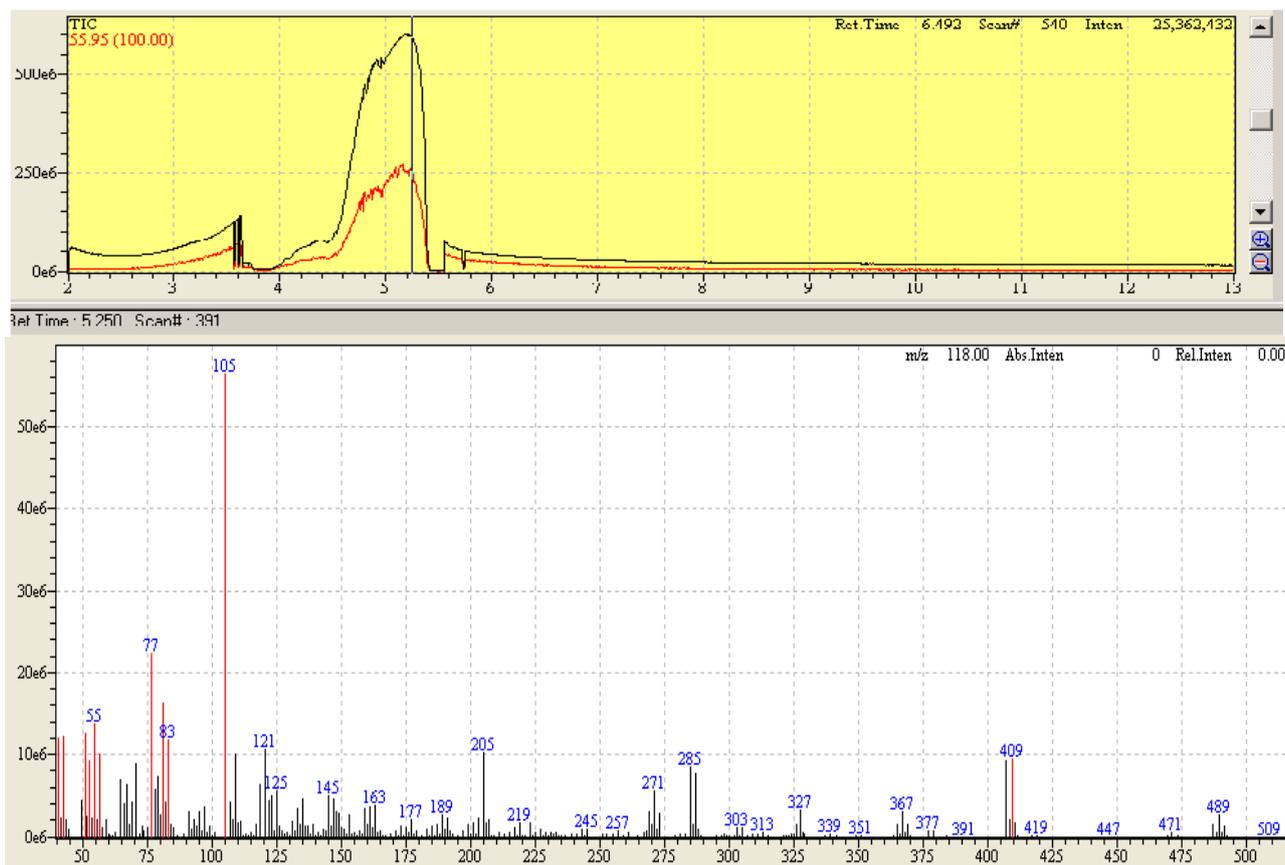


Figure S5 (a): EIMS spectrum of 3.

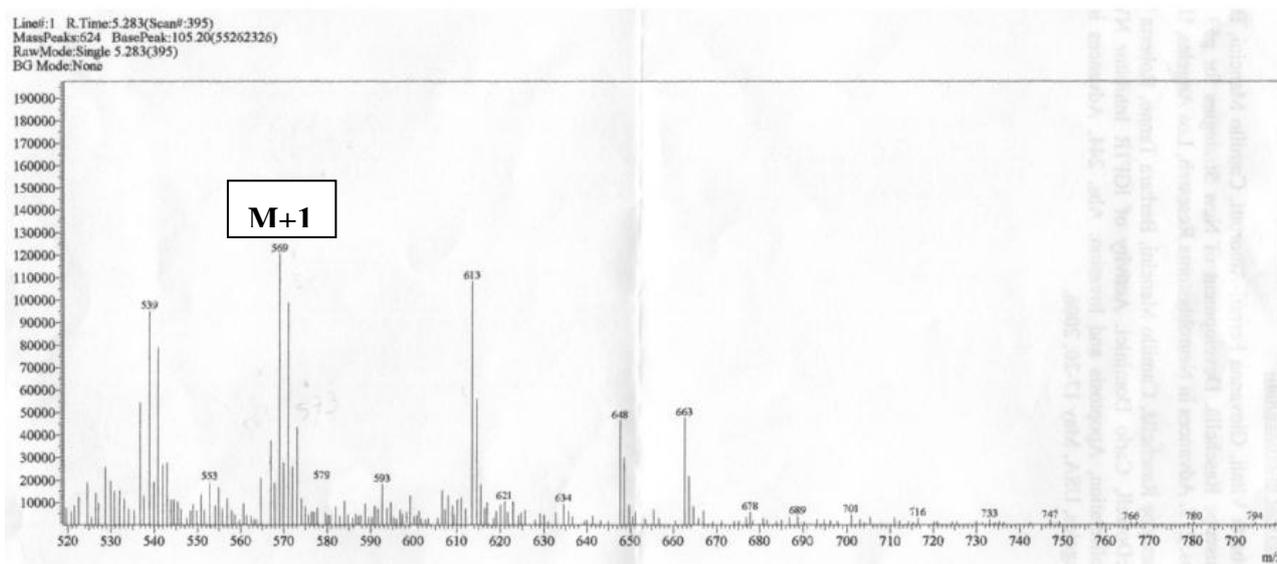
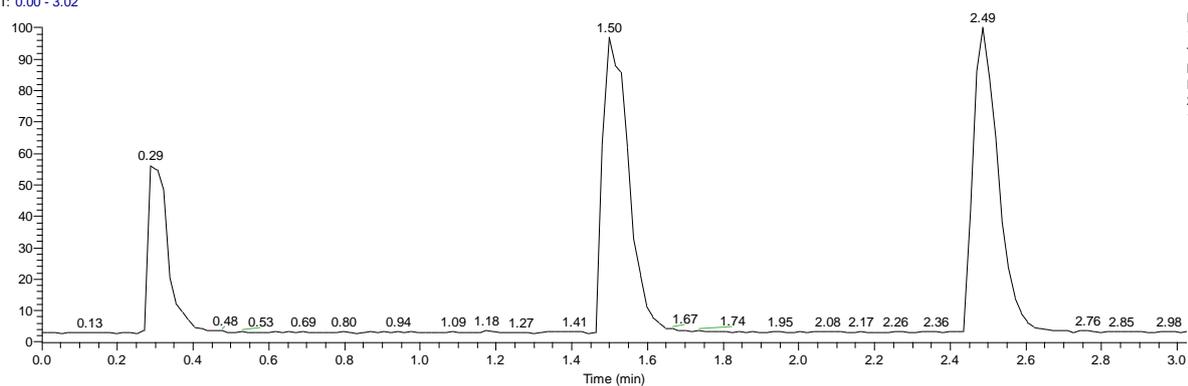


Figure S5 (b): EIMS spectrum of 3 (magnified molecular ion region).

RT: 0.00 - 3.02



NL:
1.61E8
TIC MS
Masse_Prof_
Piccialli_1511
2017_3_1711
15121958

Masse_Prof_Piccialli_15112017_3_171115121958 #141 RT: 2.49 AV: 1 NL: 4.62E6
T: FTMS + c ESI Full ms [150.00-1500.00]

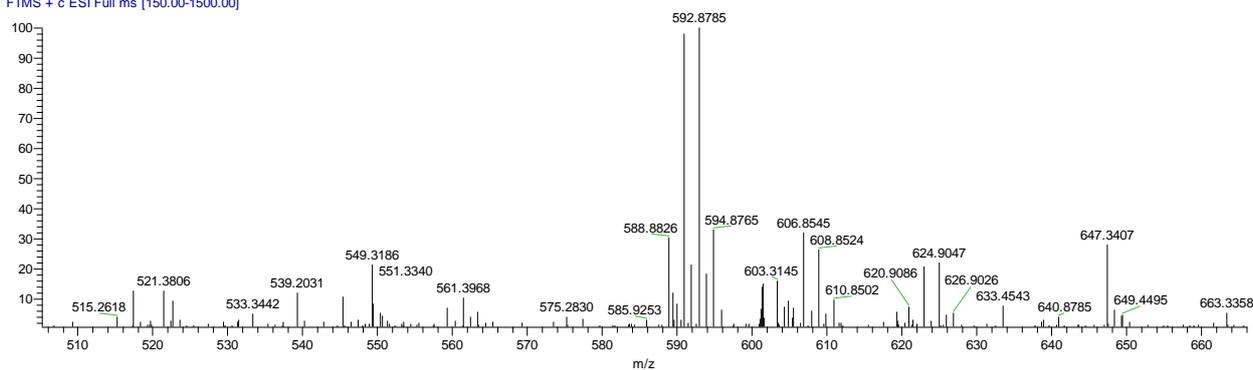
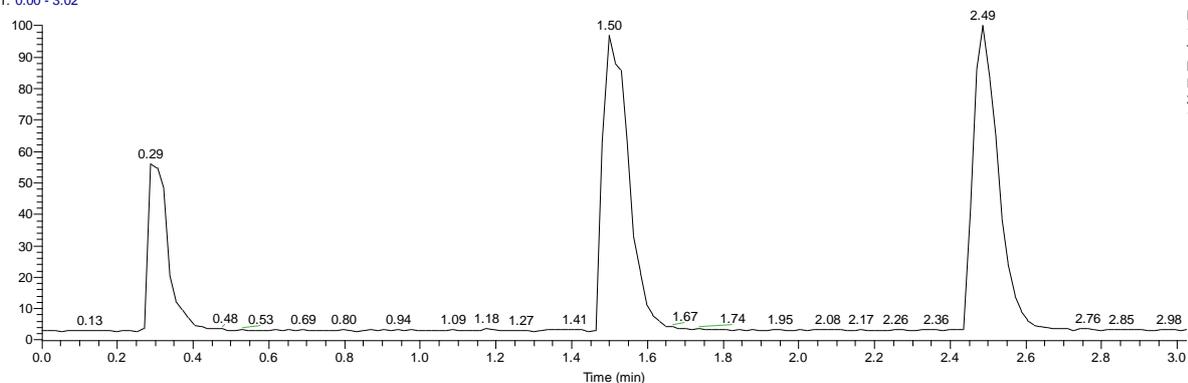


Figure S6 (a): HRESIMS spectrum of **3**.

RT: 0.00 - 3.02



NL:
1.61E8
TIC MS
Masse_Prof_
Piccialli_1511
2017_3_1711
15121958

Masse_Prof_Piccialli_15112017_3_171115121958 #141 RT: 2.49 AV: 1 NL: 4.62E6
T: FTMS + c ESI Full ms [150.00-1500.00]

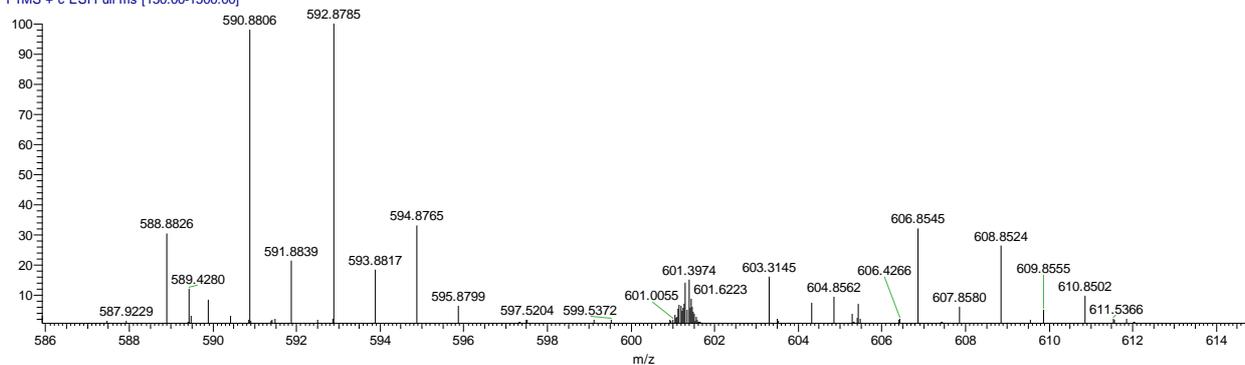


Figure S6 (b): HRESIMS spectrum of **3** (molecular ion region).

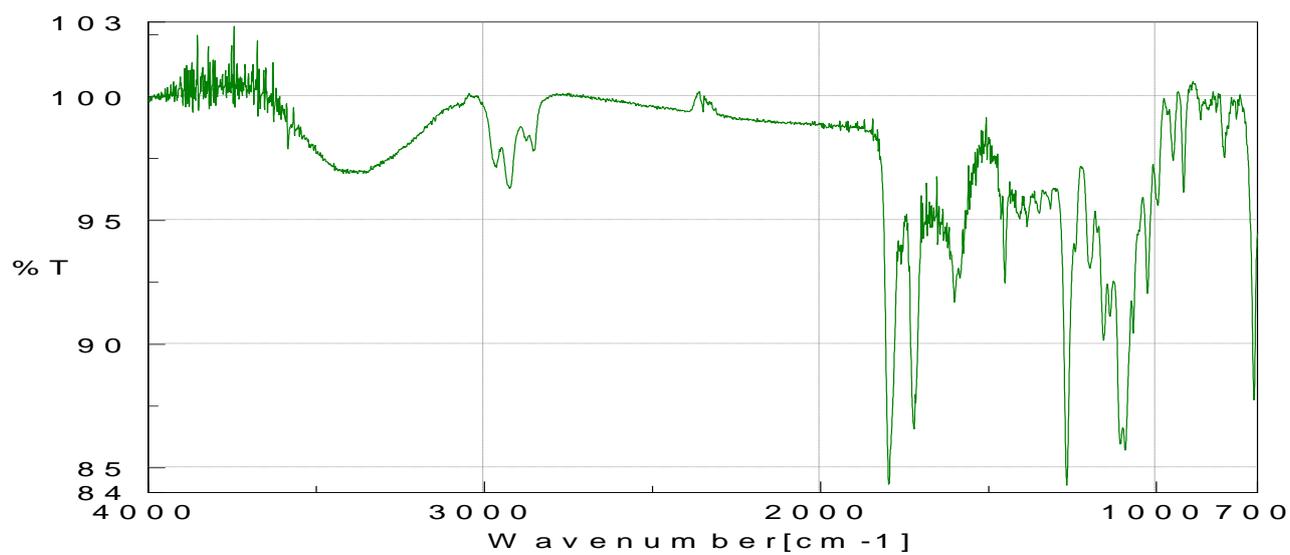


Figure S7: FTIR spectrum of 3