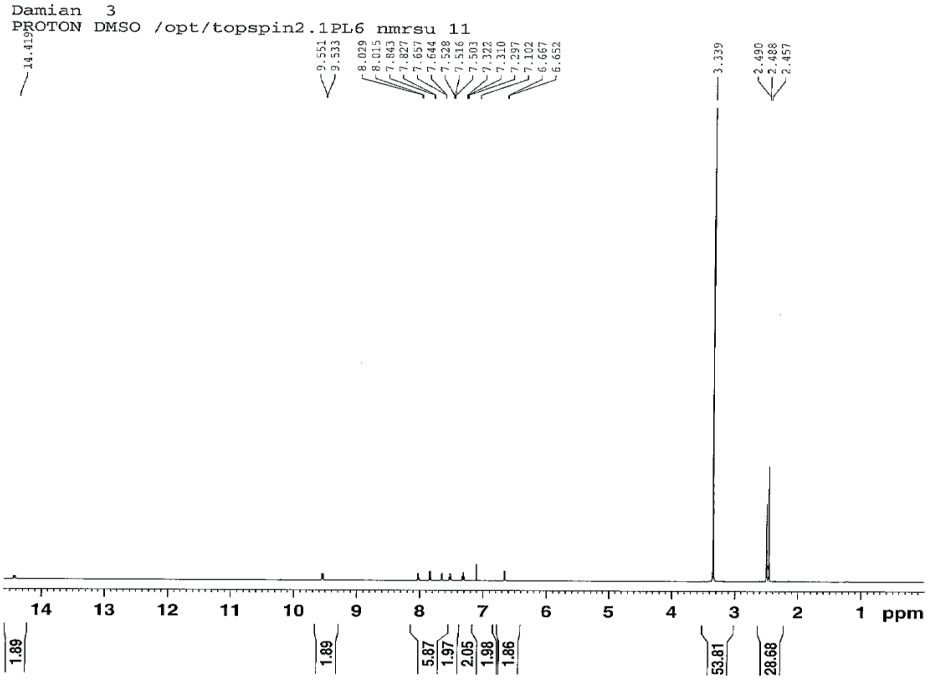
Supplementary Information Open Access

Supplement: Synthesis, characterization, *in-vitro* antimicrobial properties, molecular docking and DFT studies of 3-{(*E*)-[(4,6-dimethylpyrimidin-2-yl) imino]methyl}naphthalen-2-ol and Heteroleptic Mn(II), Co(II), Ni(II) and Zn(II) complexes



NAME	Nov07-2015-nmrsu
EXPNO	40
PROCNO	1
Date_	20151107
Time	17.40
INSTRUM	spect
PROBHD	5 mm PABBO BB-
PULPROG	zg30
TD	65536
SOLVENT	DMSO
NS	16
DS	2
SWH	12335.526 Hz
FIDRES	0.188225 Hz
AQ	2.6564426 sec
RG	144
DW	40.533 usec
DE	6.50 usec
TE	293.6 K
D1	1.00000000 sec
TD0	1
======== CHANNEL f1 ========	
NUC1	1H
P1	14.00 usec
PL1	-1.00 dB
PL1W	23.90681839 W
SFO1	600.1737063 MHz
SI	32768
SF	600.1700076 MHz
WDW	EM
SSB	0
LB	0.30 Hz
GB	0
PC	1.00

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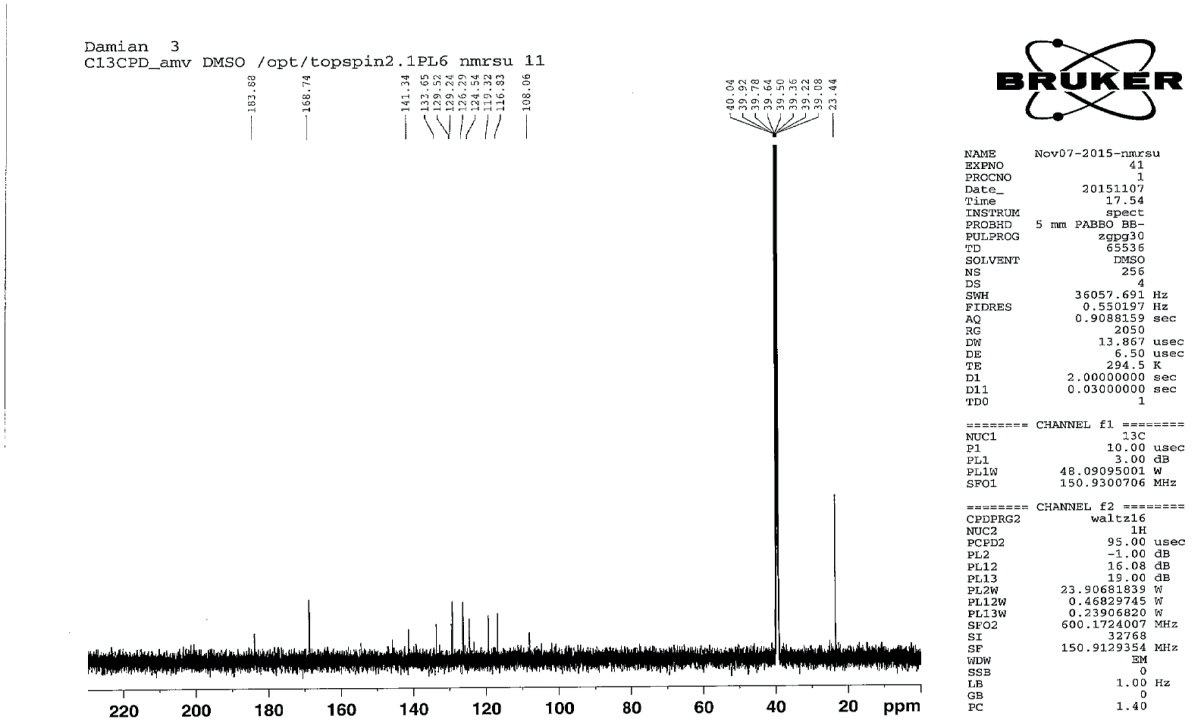

NORTH-WEST UNIVERSITY
YUNIBESITI YA BOKONE-BOPHIRIMA
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Mass Spectrum SmartFormula Report

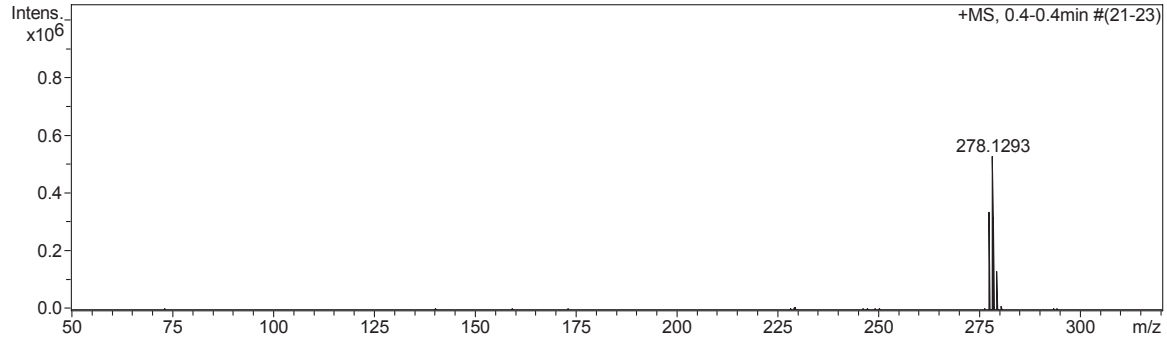
CHEMICAL RESOURCE BENEFICIATION
CHEMIESE HULPBRONVEREDELING

Analysis Info

Analysis Name	D:\Data\06112015\LADMS000003.d	Acquisition Date	11/6/2015 10:32:21 AM
Method	tune_low20102015.m	Laboratory	Laboratory for Analytical Services
Sample Name	HL3	Operator	JHL Jordaan
Comment		Instrument / Ser#	micrOTOF-Q II 10390

Acquisition Parameter

Source Type	APCI	Ion Polarity	Positive	Set Nebulizer	1.6 Bar
Focus	Not active	Set Capillary	4500 V	Set Dry Heater	200 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	8.0 l/min
Scan End	1500 m/z	Set Collision Cell RF	100.0 Vpp	Set Divert Valve	Waste



Meas. m/z	#	Formula	Score	m/z	err [mDa]	err [ppm]	mSigma	rdb	N-Rule	e⁻ Conf
278.1293	1	C 17 H 16 N 3 O	100.00	278.1288	-0.5	-1.9	31.7	11.5	ok	even