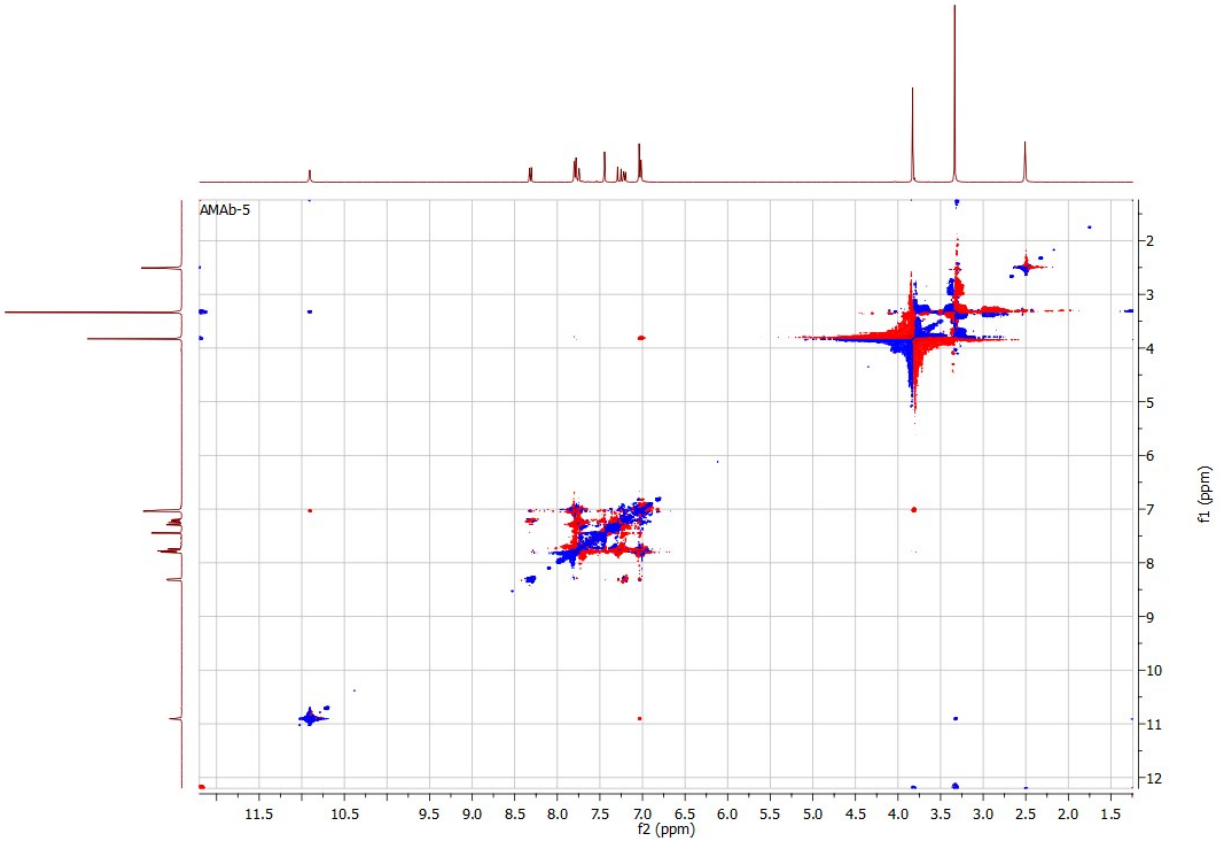
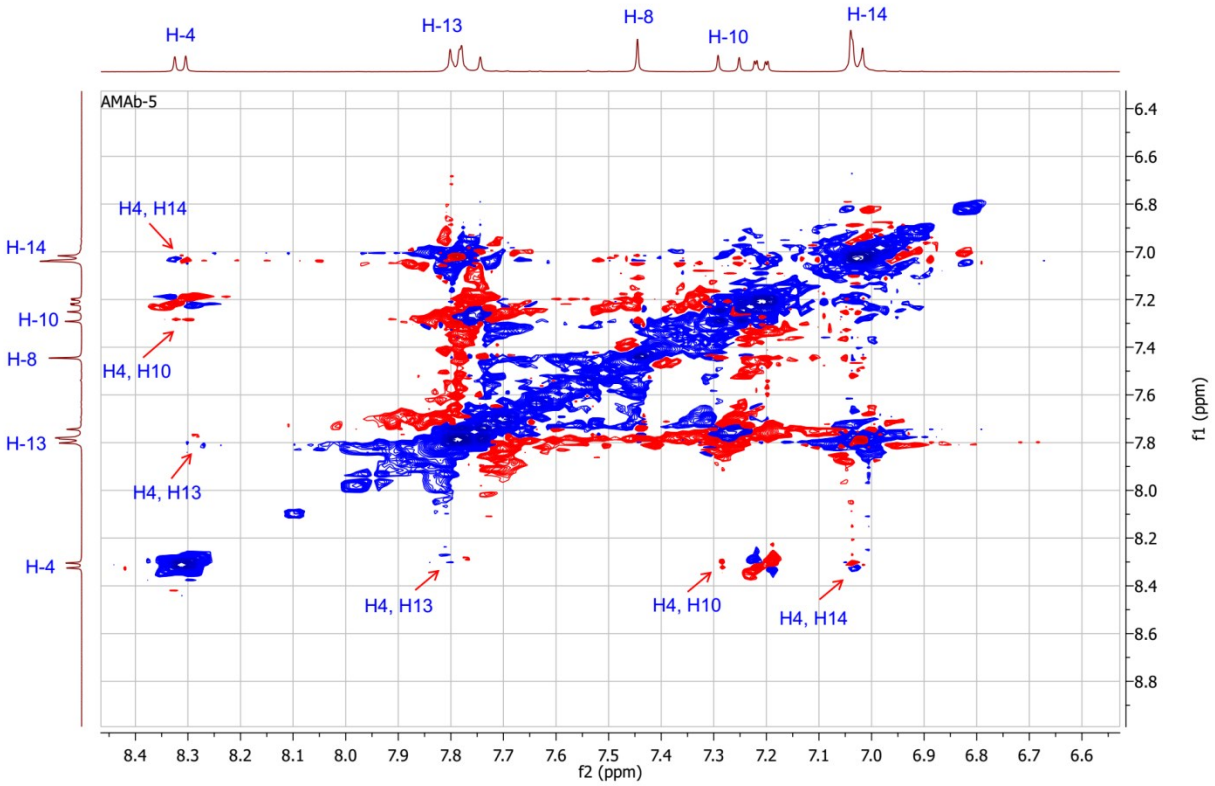
Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary material

Saccharomonosporine A Inspiration; Synthesis of Potent Analogues as Potential PIM Kinases Inhibitors

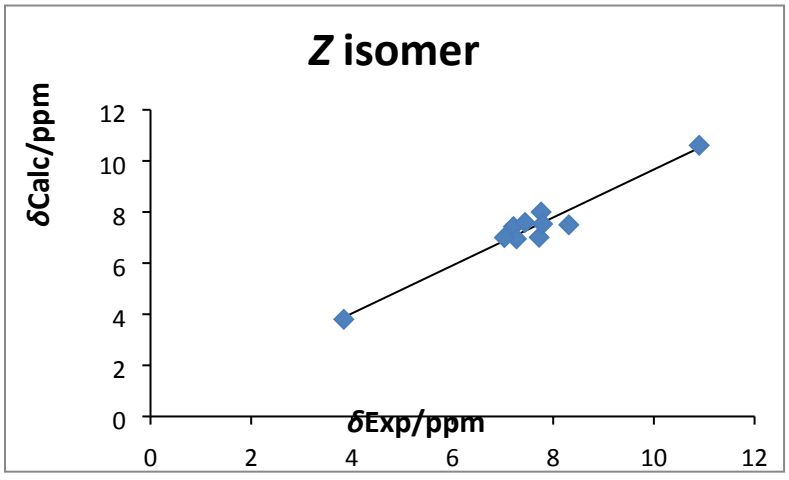


S1. ^{1}H-^{1}H NOESY chart for compound **5**.

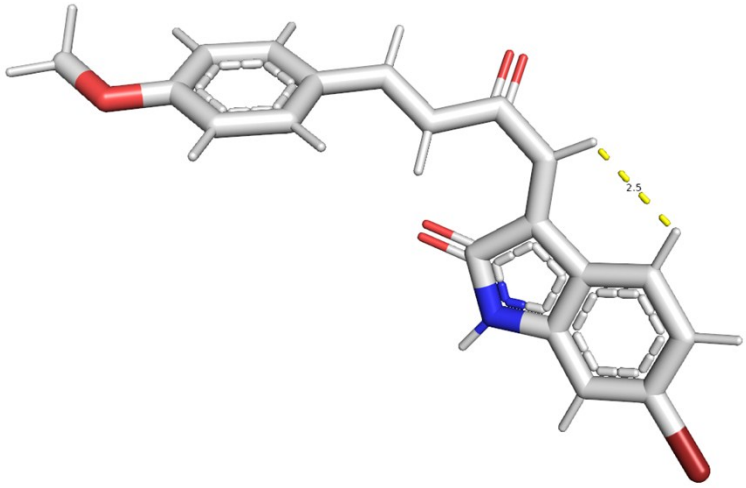


S2. ^{1}H-^{1}H NOESY chart for compound **5**.

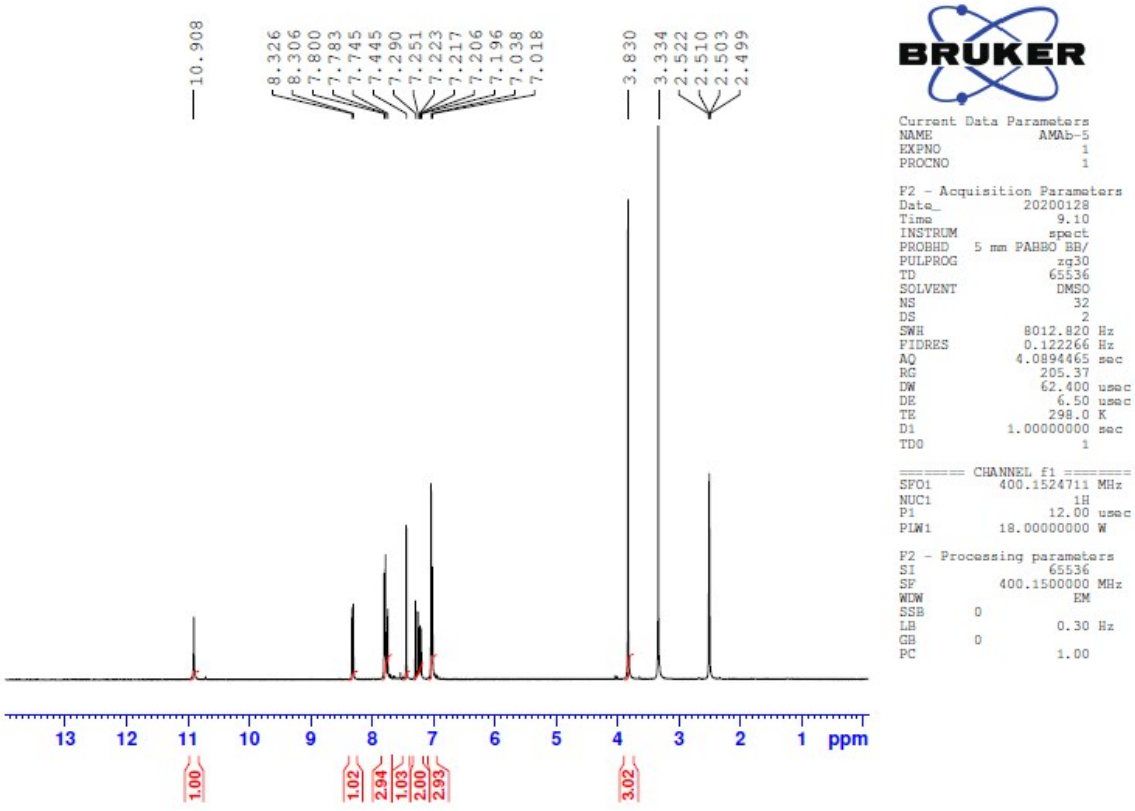
No.	δExp/ppm	δCalc/ppm (*E* isomer)	δCalc/ppm (*Z* isomer)
1	10.9	10.61	10.61
2	-	-	-
3	-	-	-
3a	-	-	-
4	8.31	7.4	7.5
5	7.21	7.4	7.43
6	-	-	-
7	7.44	7.58	7.59
7a	-	-	-
8	7.72	7.66	7.01
9	-	-	-
10	7.27	7.06	6.95
11	7.76	8.06	8
12	-	-	-
13	7.79	7.53	7.53
14	7.03	7.01	7
15	-	-	-
16	3.84	3.81	3.8
Calculated Relative Energy		MMFF Energy= 40.1537 kcal/mol	MMFF Energy= 45.2583 kcal/mol



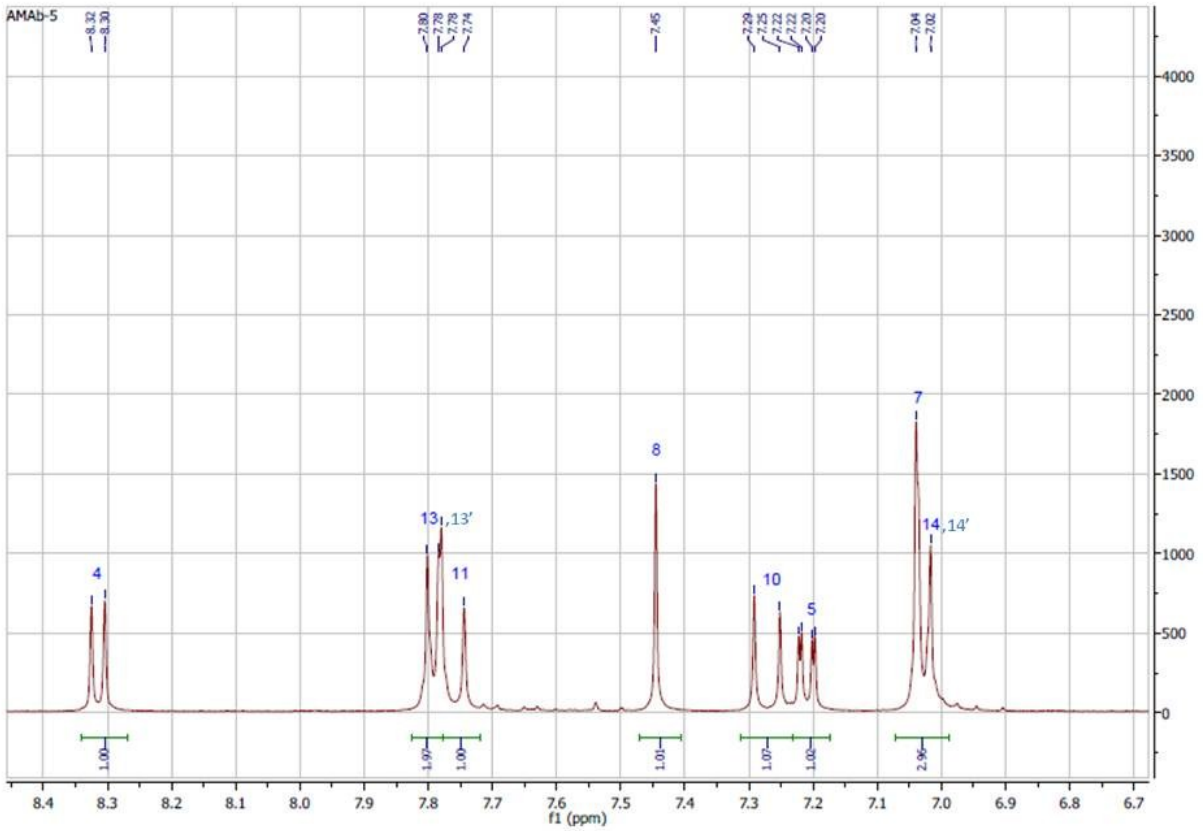
S3. Theoretical calculations of ^{1}H NMR chemical shifts of compound 5 in *E* isomer.



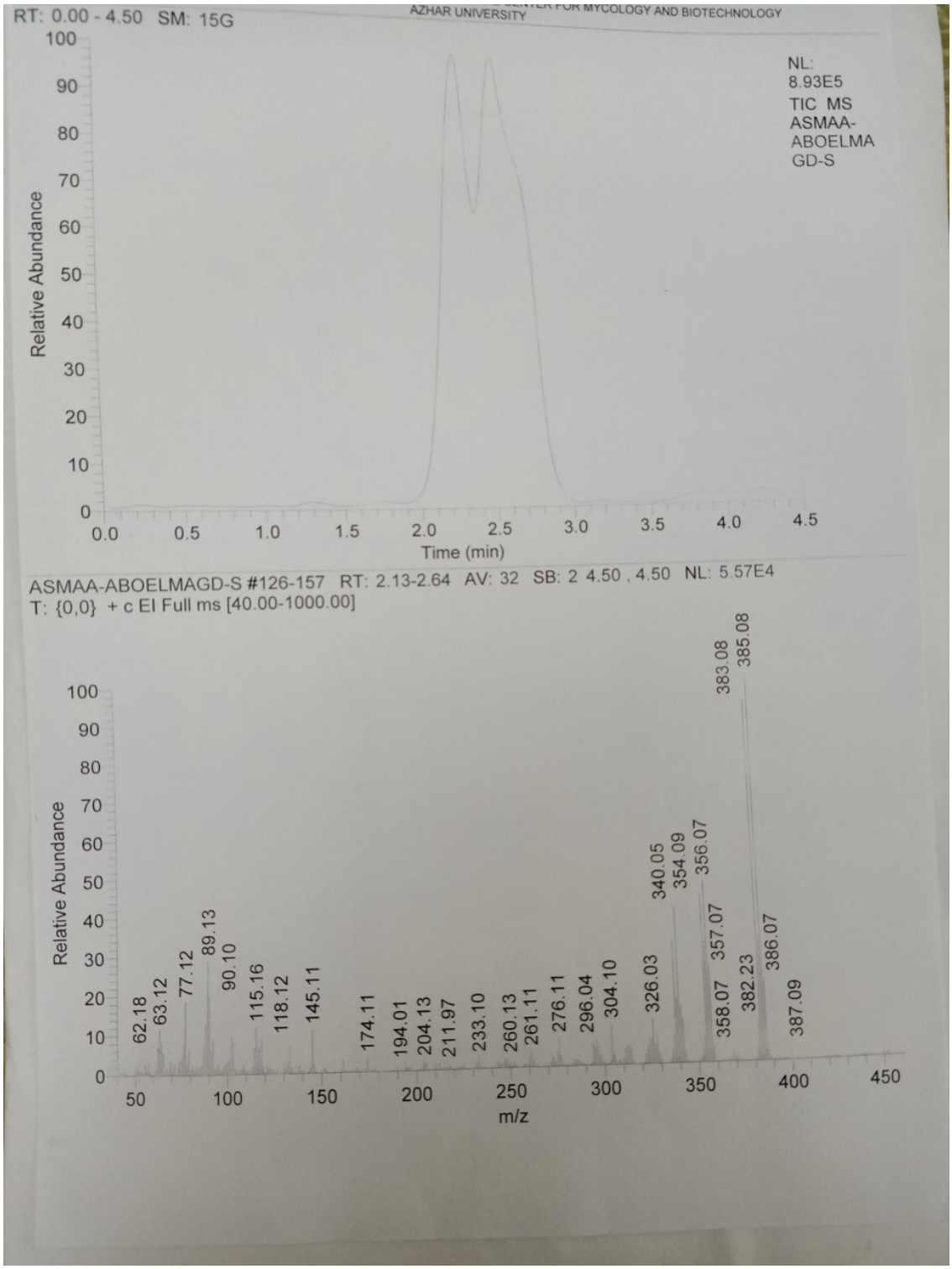
S4: ^{1}H-^{1}H correlations of cis isomer of compound **5**.



S5: ^{1}HNMR of compound **5.**



S6: [1]HNMR of compound **5.**



S7: Mass spectrum of compound **5.**