Supplementary Materials

Figure S1. ^{1}H NMR spectrum of compound **1**.

Figure S2. ^{13}C NMR spectrum of compound **1**.

Figure S3. DEPT 135 NMR spectrum of compound **1**.

Figure S4. HSQC NMR spectrum compound **1**.

Figure S5. HMBC NMR spectrum compound **1**.

Figure S6. Positive HRESIMS of compound **1**.

Figure S7. Western Blots images.

Table S1: Primers used for real time qPCR.

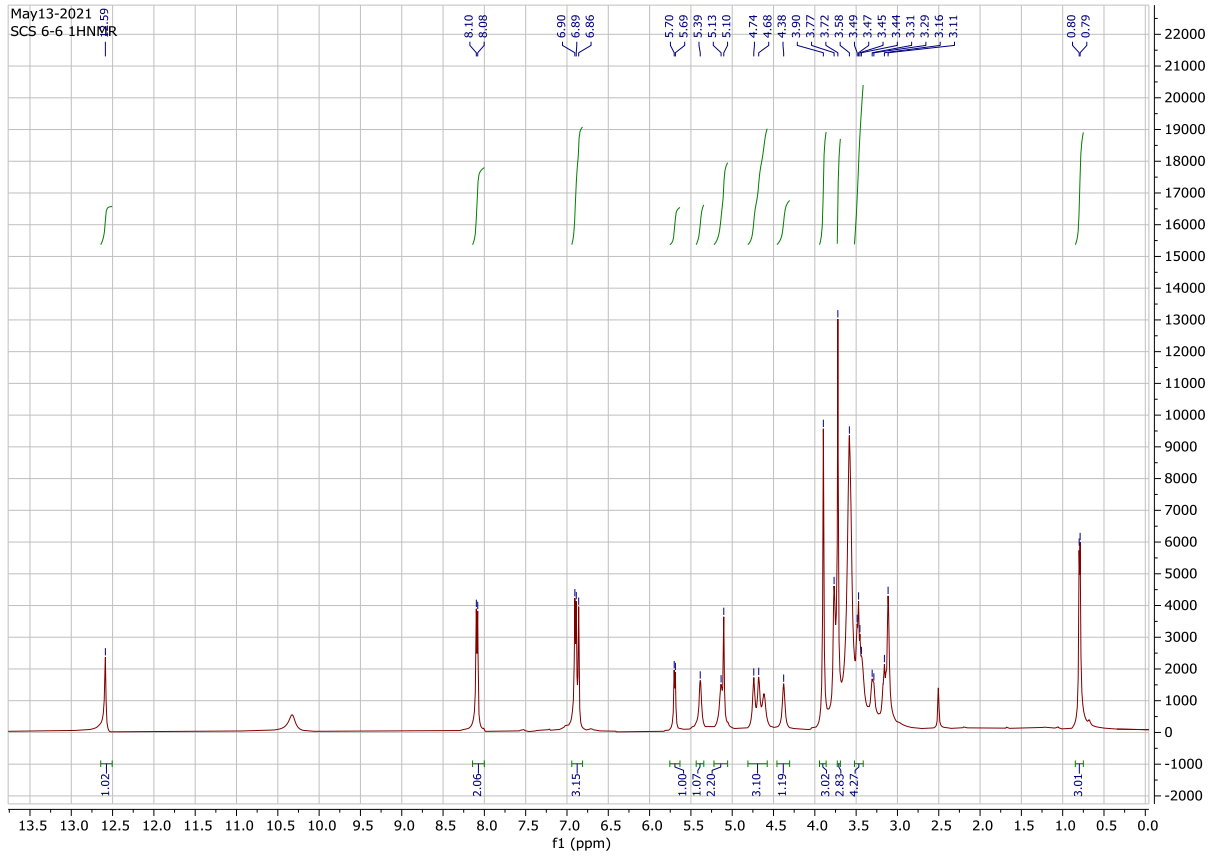


Figure S1. ^{1}H NMR spectrum of compound **1.**

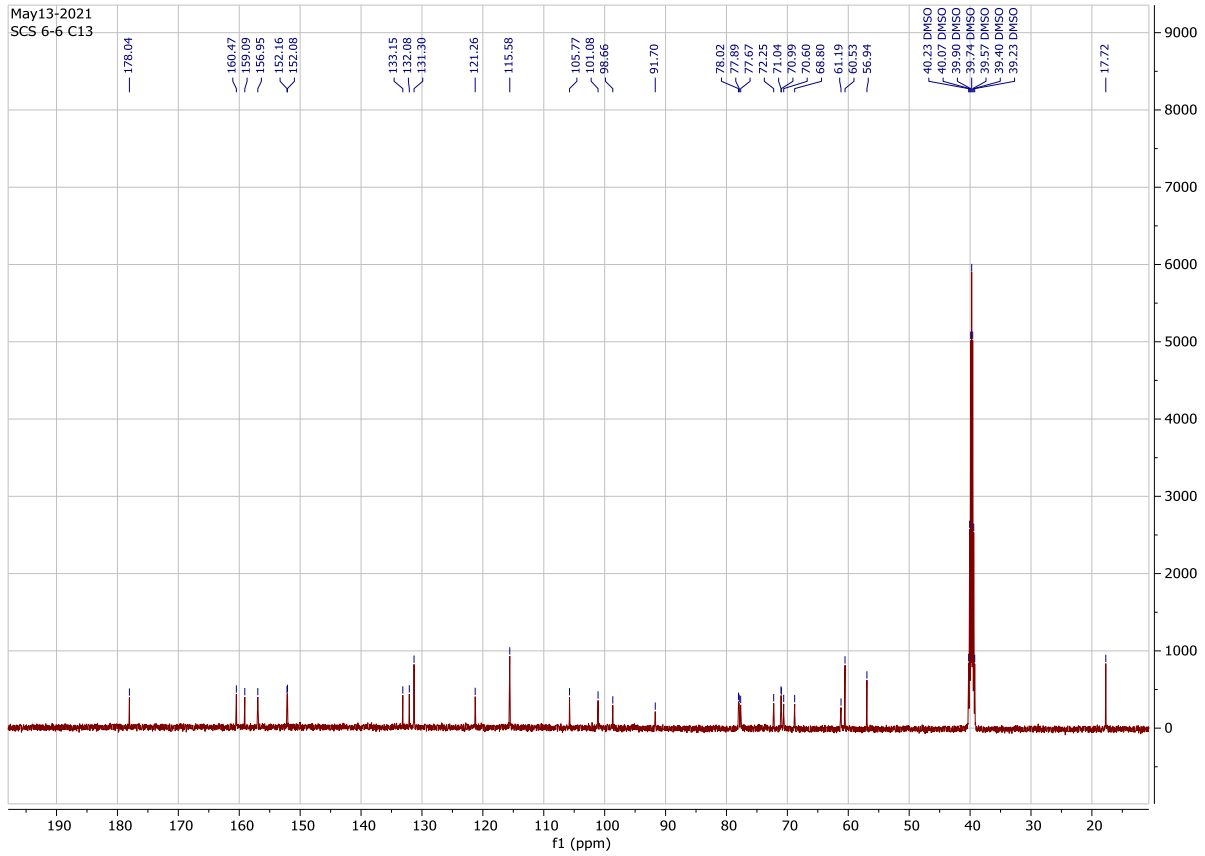


Figure S2. ^{13}C NMR spectrum of compound **1.**

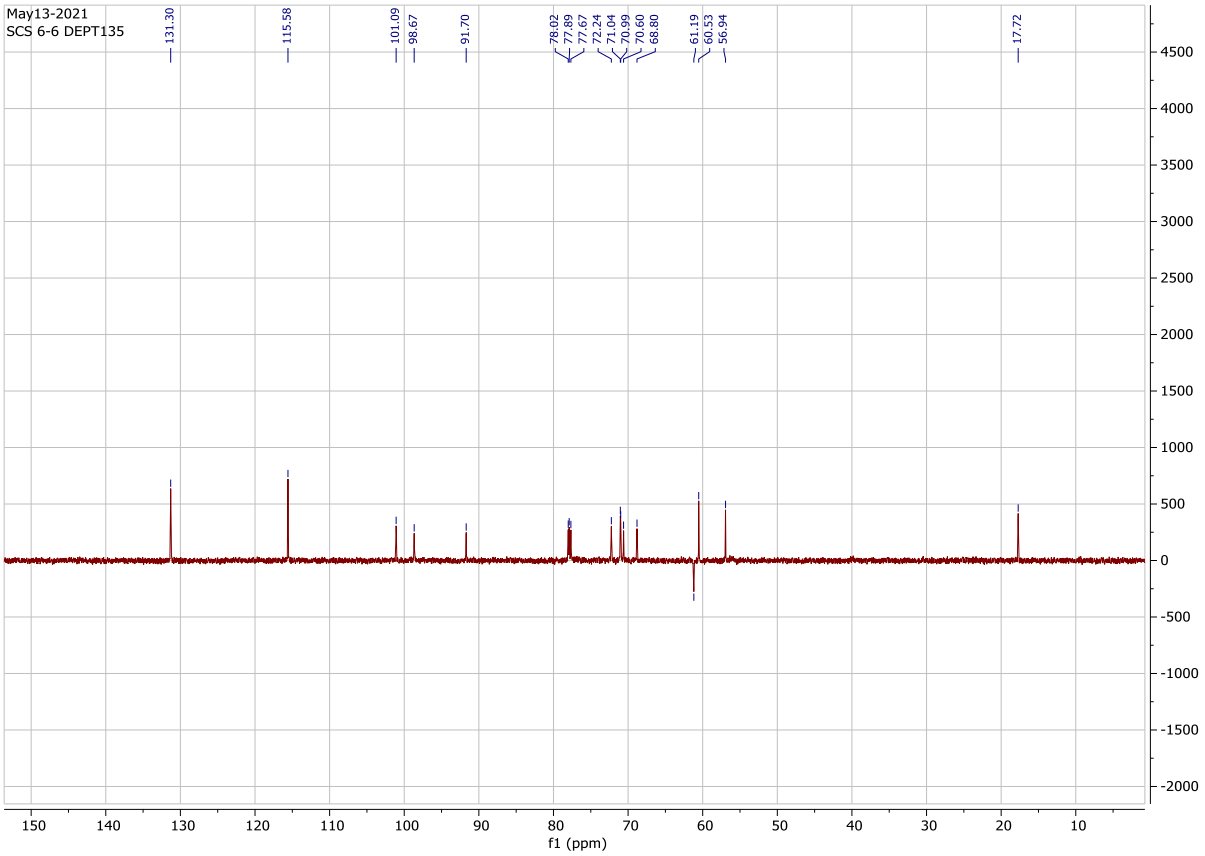


Figure S3. DEPT 135 NMR spectrum of compound **1.**

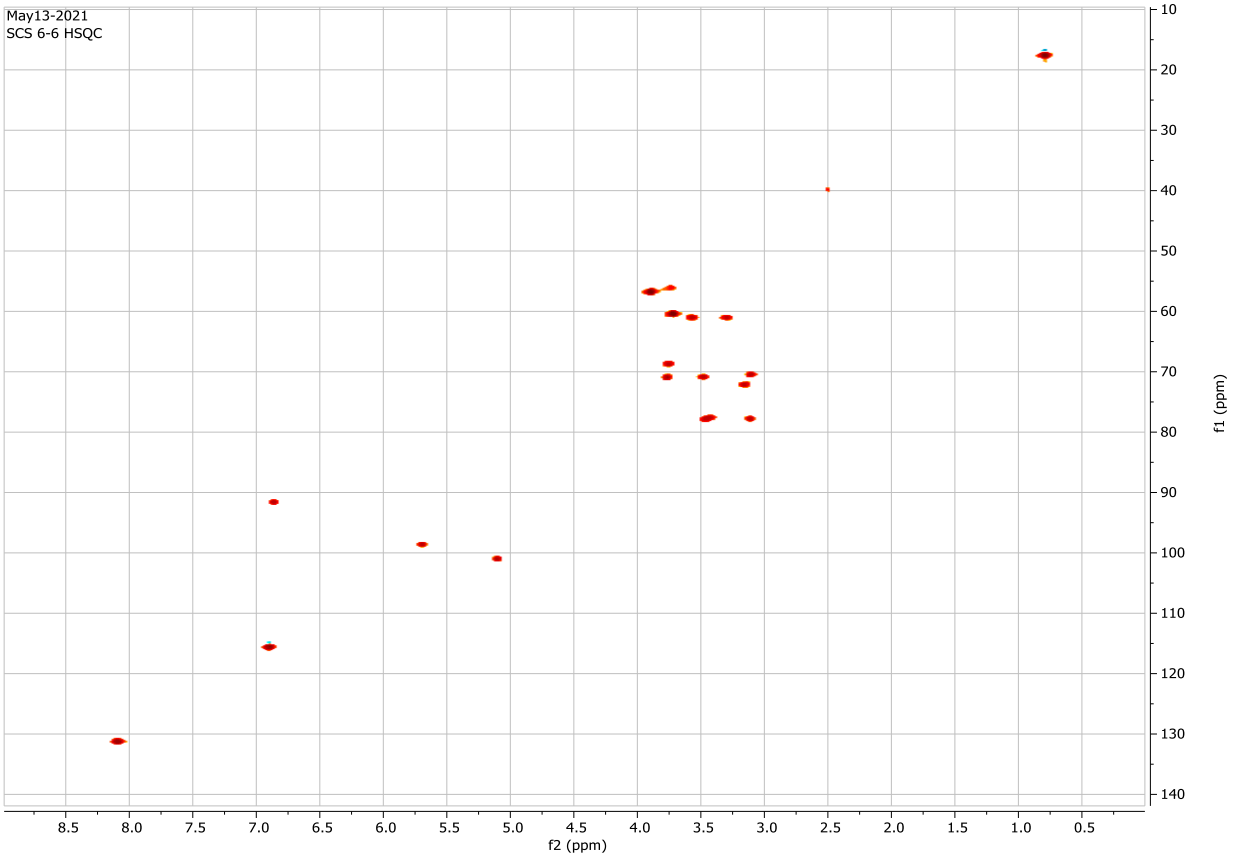


Figure S4. HSQC NMR spectrum compound **1.**

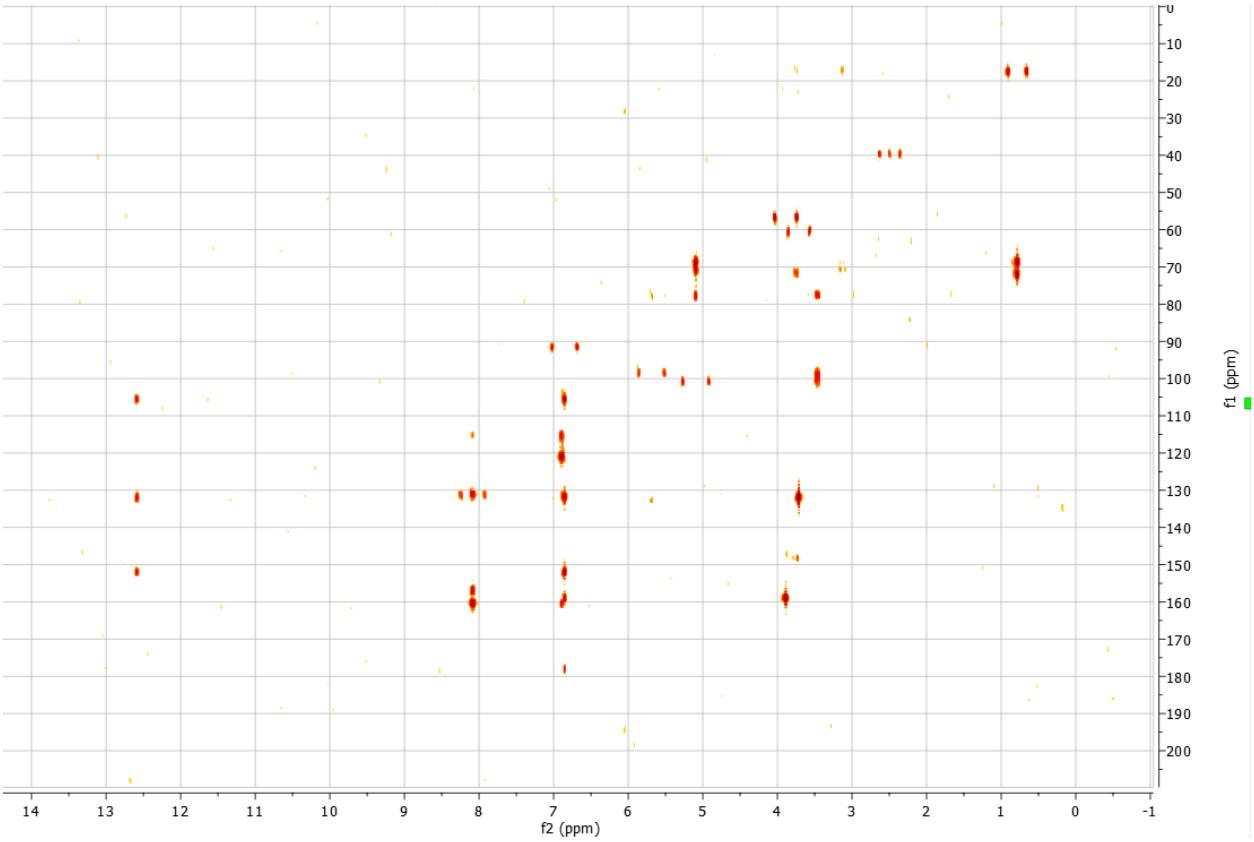


Figure S5. HMBC NMR spectrum compound **1.**

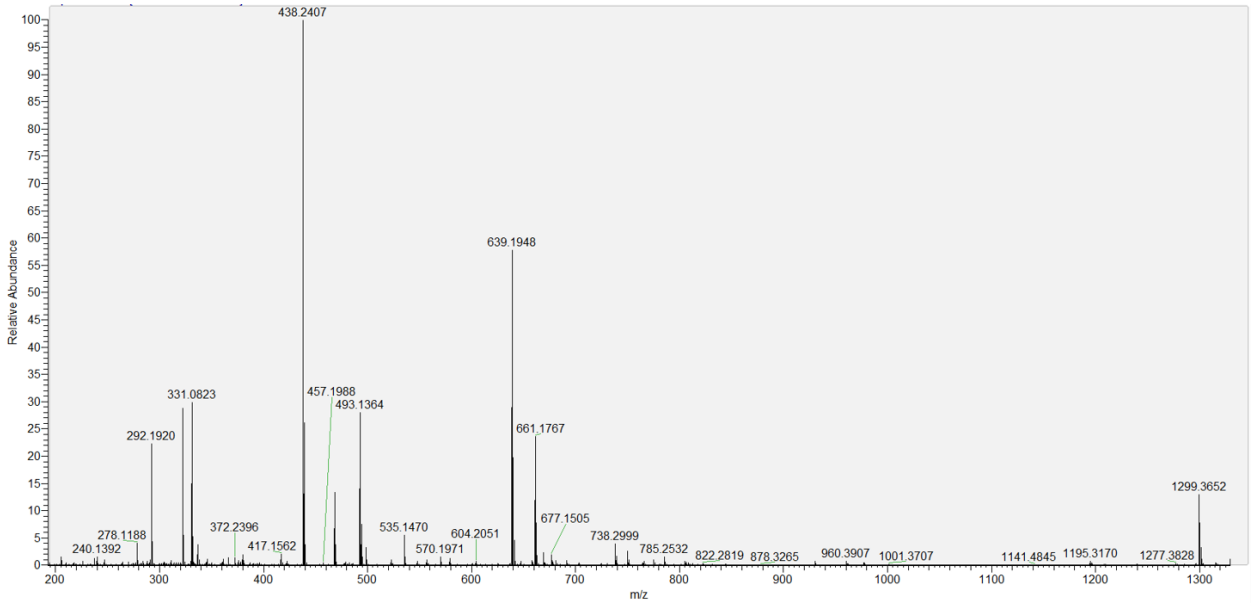
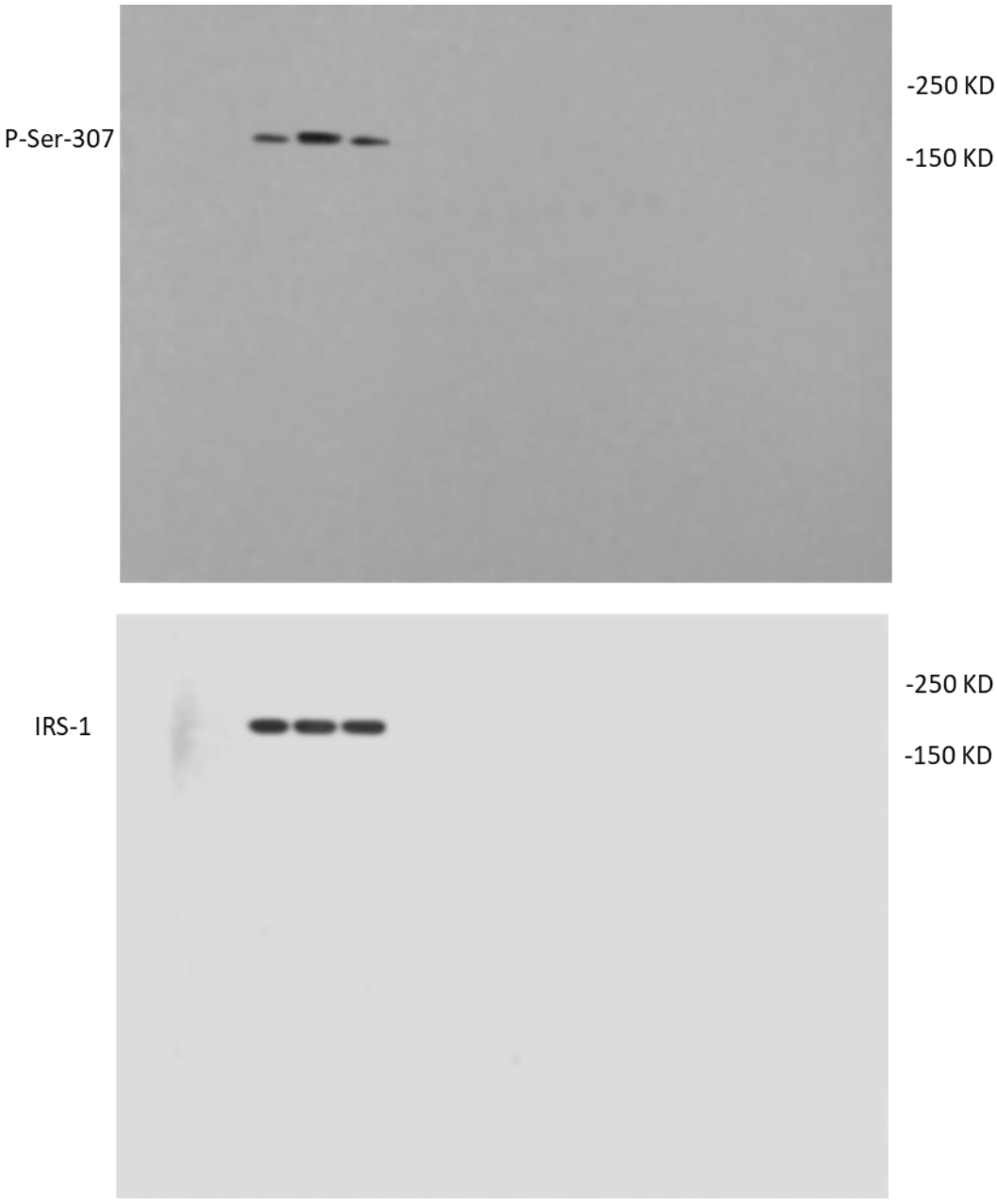
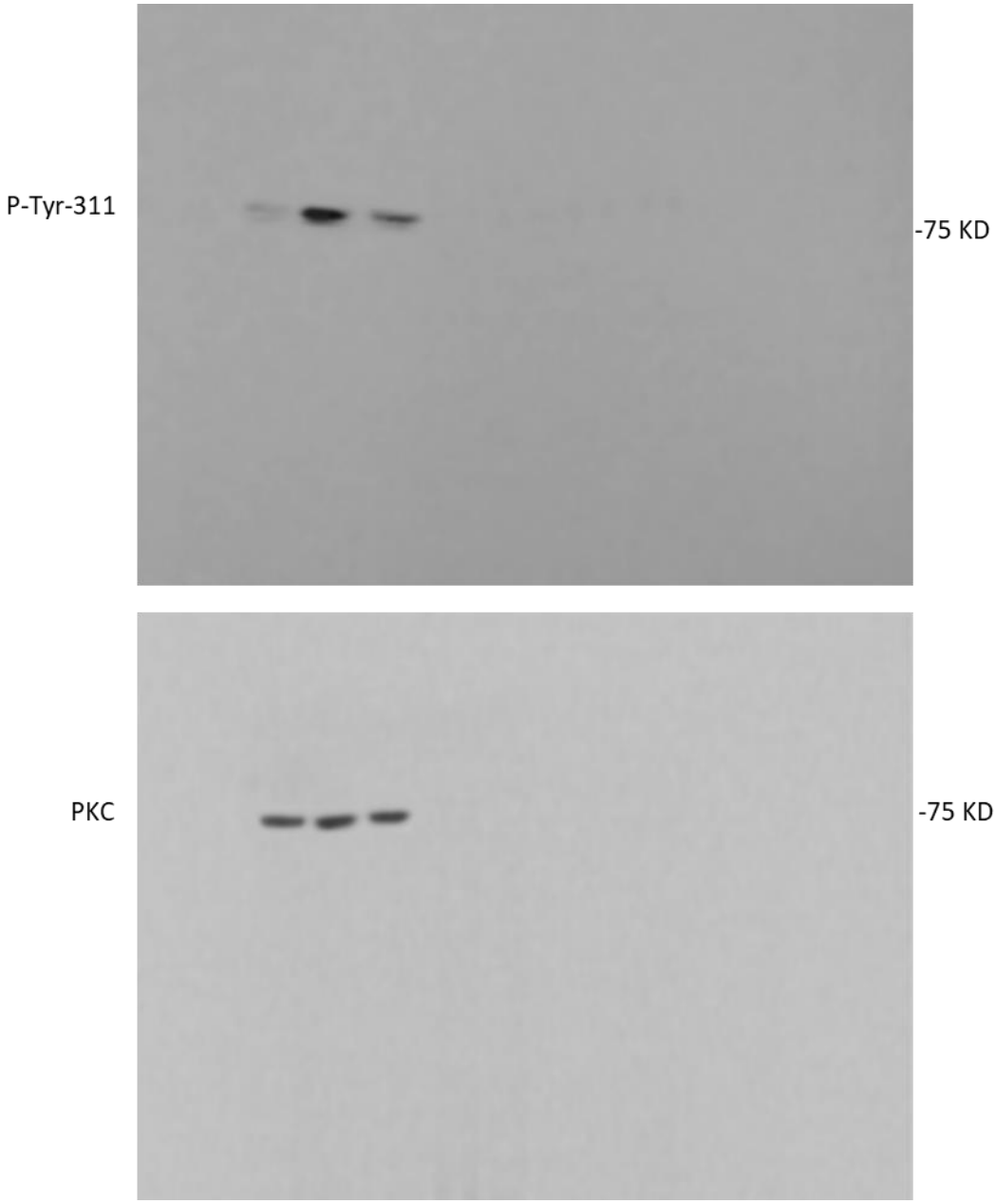


Figure S6. Positive HRESIMS of compound **1.**


P-Ser-307
-250 KD
-150 KD
IRS-1
-250 KD
-150 KD


P-Tyr-311
-75 KD
PKC
-75 KD

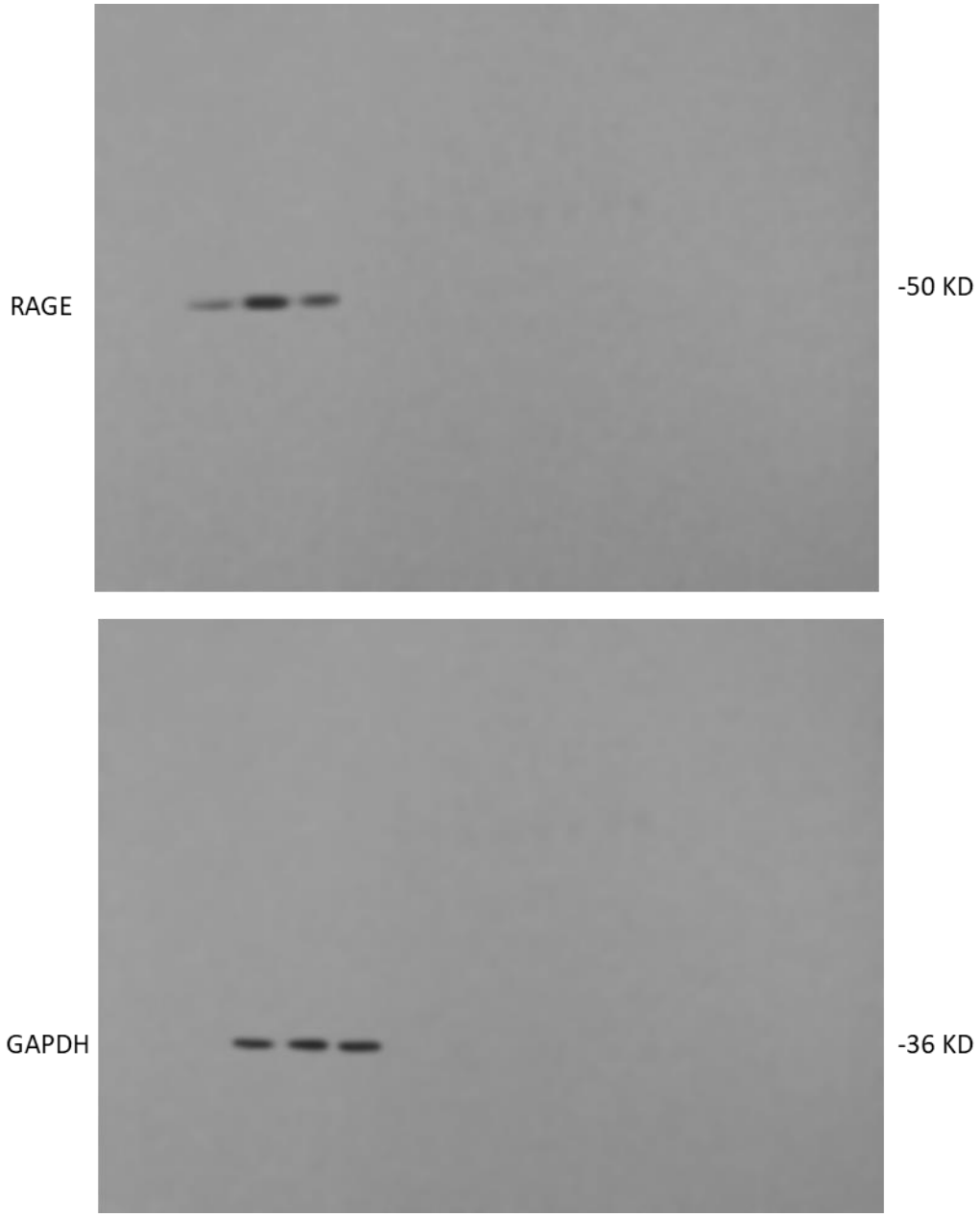


Figure S7. Western Blots images.

Table S1. Primers used for real time qPCR.

Gene	Protein	Forward primer	Reverse Primer
AGER	RAGE	5´-GGCAGACAGAGCCAGGAC-3’	5´-AGCACCCAGGCTCCAACT-3’
RELA	NF-kB (p65 subunit)	5’-ACTGTGTGACAAGGTGCAGAA-3’	5’-CACTTGTCGGTGCACATCA-3