

Supplementary Material for:

Pancracine, a montanine-type Amaryllidaceae alkaloid, inhibits cell growth via Akt/p27/pRb pathway and induces p53-mediated apoptosis of cancer cells

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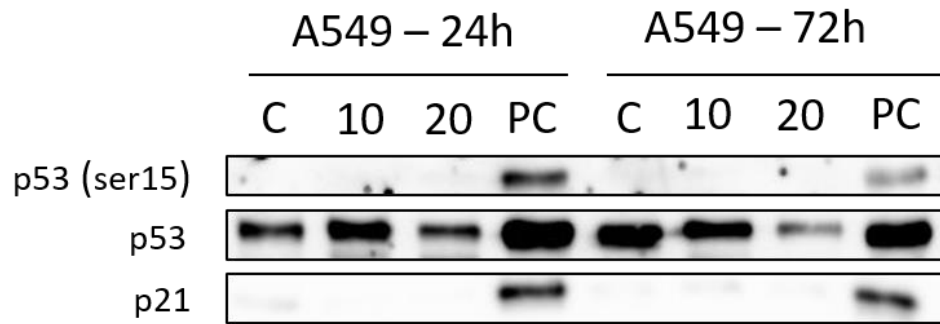


Figure S1. Western blot analysis of p53 phosphorylated at serine 15, p53 and p21 in non-small cell lung adenocarcinoma A549 cells upon treatment with either 10 μ M or 20 μ M pancracine for 24 and 72 hours. Control cells were mock treated with 0.1% DMSO, indicated as C, and 0.25 μ M doxorubicin treated cells were used as a positive control, indicated as PC. These experiments were performed at least three times with similar results and a cropped blot is shown from one representative experiment.

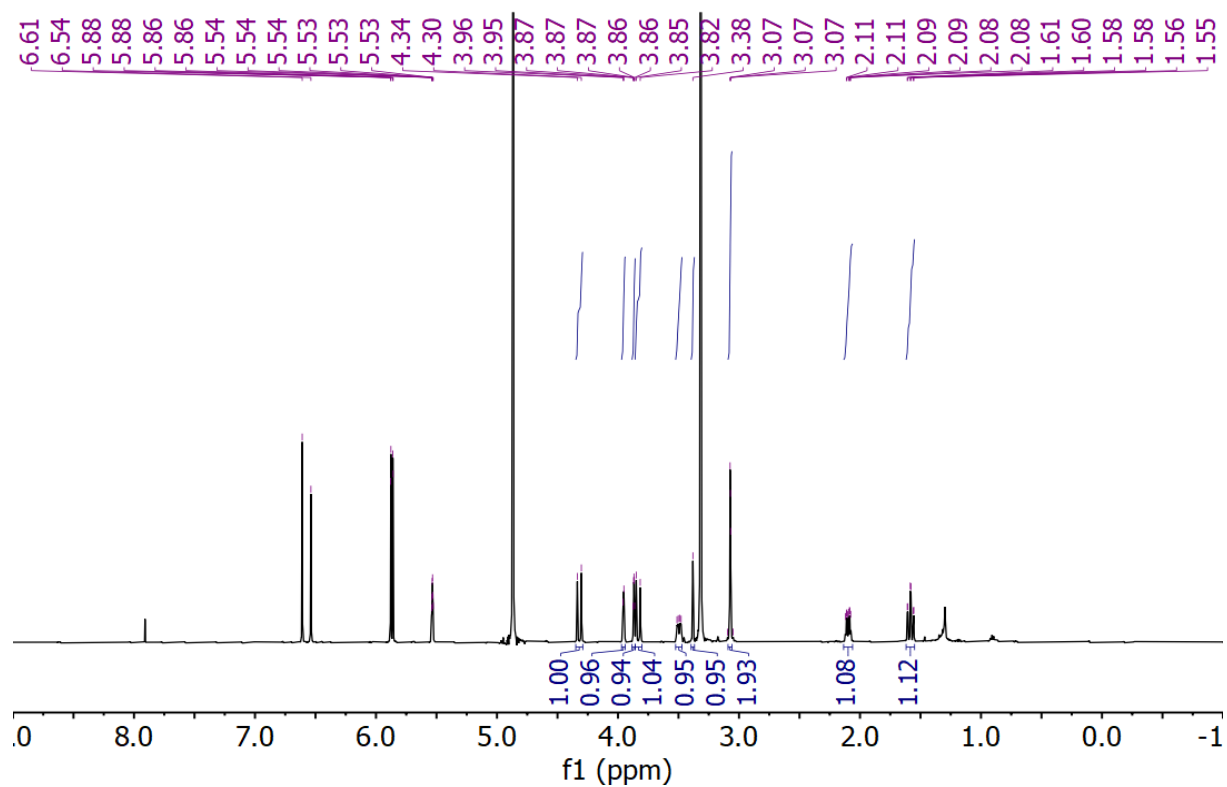


Figure S2. ^1H -NMR analysis of pancracine

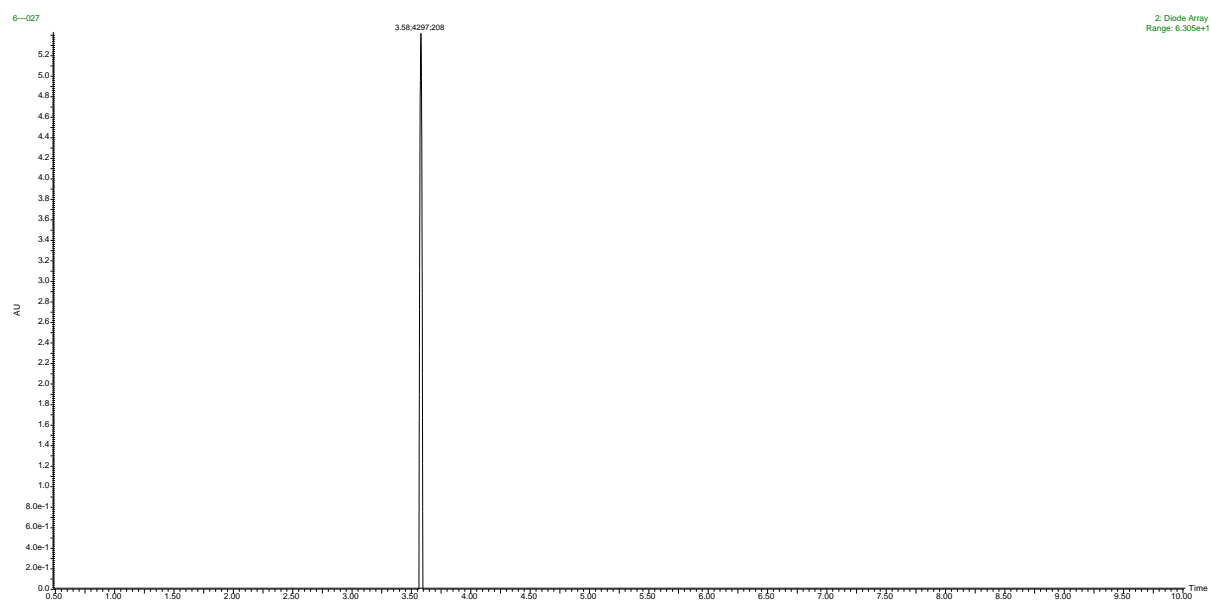


Figure S3. HPLC/UV analysis of pancracine

Sample Name	NPE 25 F51B	Position	13	Instrument Name	GCMS
User Name	Lucka	Inj Vol	0	InjPosition	
Sample Type	Sample	IRM Calibration Status	Not Applicable	Data Filename	3220LC.D
ACQ Method	LUCKA_7.M	Comment		Acquired Time	11/11/2016 10:11:46 AM

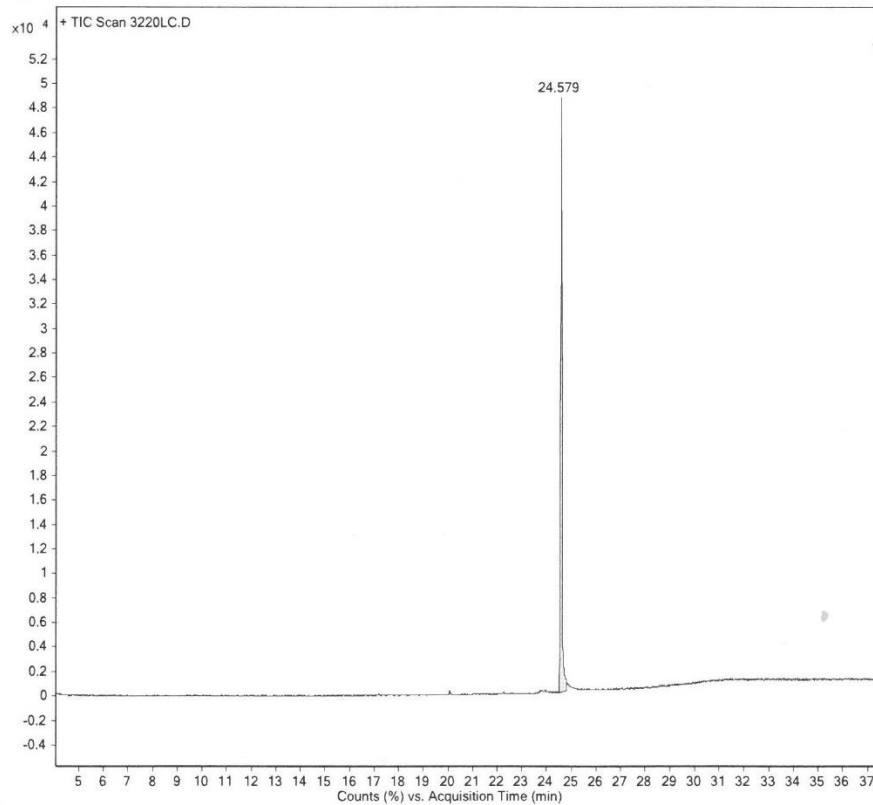


Fig. S4. GC/MS chromatogram of pancracine