PNSA, a novel C-terminal inhibitor of HSP90, reverses epithelial-mesenchymal transition and suppresses metastasis of breast cancer cells in vitro

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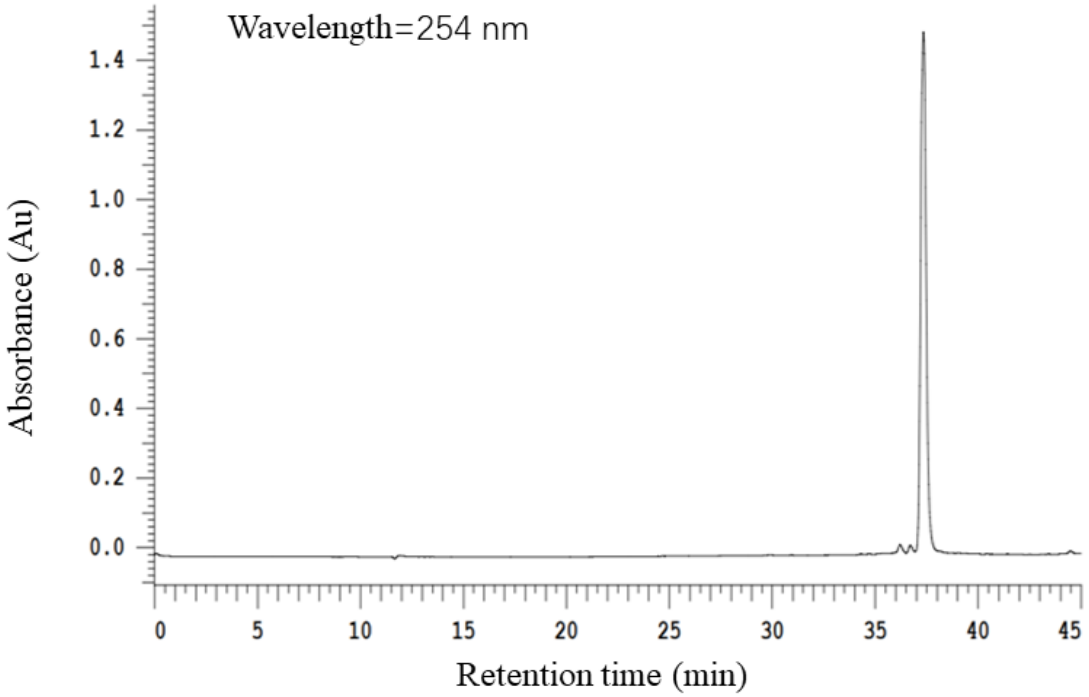


Supplementary Figure S1. HPLC-UV analysis of PNSA. The PNSA was analyzed by HPLC made by the HITACHI company equipped with a 5430 diode array detector and a

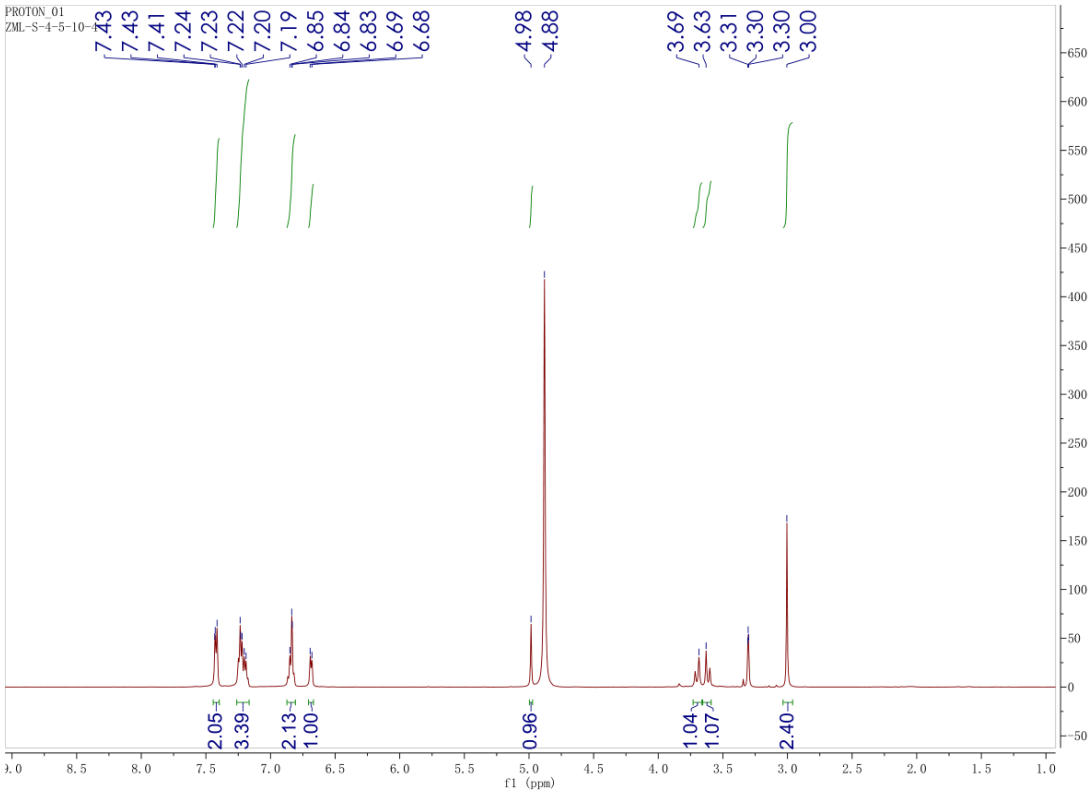
C18 column (YMC-Pack ODS-A, 4.6 × 250 mm, 5 μm, 1 mL/min) by using stepwise gradient elution with 5–100% MeOH–H_2O (0-5 min: 5%; 5-35 min: 5%-100%; 35-40 min: 100%; 40.1-45 min 5%).

Supplementary Table S1. Peak purity report of PNSA.

No.	RT	Area	Concentration
1	36.200	148084	1.127
2	37.333	12988293	98.873
		13136377	100.00

Supplementary Table S2. HPLC gradient profile for detection of PNSA (A: Methanol B: Water).

Time (min)	Solvent A (%)	Solvent B (%)	Flow (mL/min)
0.0	5.0	95.0	1.000
5.0	5.0	95.0	1.000
35.0	100.0	0.0	1.000
40.0	100.0	0.0	1.000
40.1	5.0	95.0	1.000
45.0	5.0	95.0	1.000



Supplementary Figure S2. The ^1H NMR (500 MHz) spectrum of PNSA in CD_3OD.