Supporting information

Synthesis, structure and *in vitro* anticancer activity of Pd(II) complex of pyrazolyl-*s*-triazine ligand; A new example of metal-mediated hydrolysis of *s*-triazine pincer ligand

Jamal Lasri[a,*], Matti Haukka[b], Hessa H. Al-Rasheed[c], Nael Abutaha[d], Ayman El-Faham[c,e,*], Saied M. Soliman[e,*]

[a] Department of Chemistry, Rabigh College of Science and Arts, P.O. Box 344, King Abdulaziz University, Jeddah, Saudi Arabia; jlasri@kau.edu.sa (J.L.)

[b] Department of Chemistry, University of Jyväskylä, P.O. Box 35, FI-40014 Jyväskylä, Finland (matti.o.haukka@jyu.fi)

[c] Department of Chemistry, College of Science, King Saud University, P. O. Box 2455, Riyadh 11451, Saudi Arabia; halrasheed@ksu.edu.sa (H. H. A); **nabutaha@ksu.edu.sa** (N. A.) and aelfaham@ksu.edu.sa (A.E-F)

[d] Bioproducts Research Chair, College of Science, Department of Zoology, King Saud University, P.O. Box 2455, Riyadh 11451, Saudi Arabia

[e] Department of Chemistry, Faculty of Science, Alexandria University, P.O. Box 426, Ibrahimia, Alexandria 21321, Egypt; saied1soliman@yahoo.com (S.M.S.)

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Method S1: In vitro anticancer experimental details

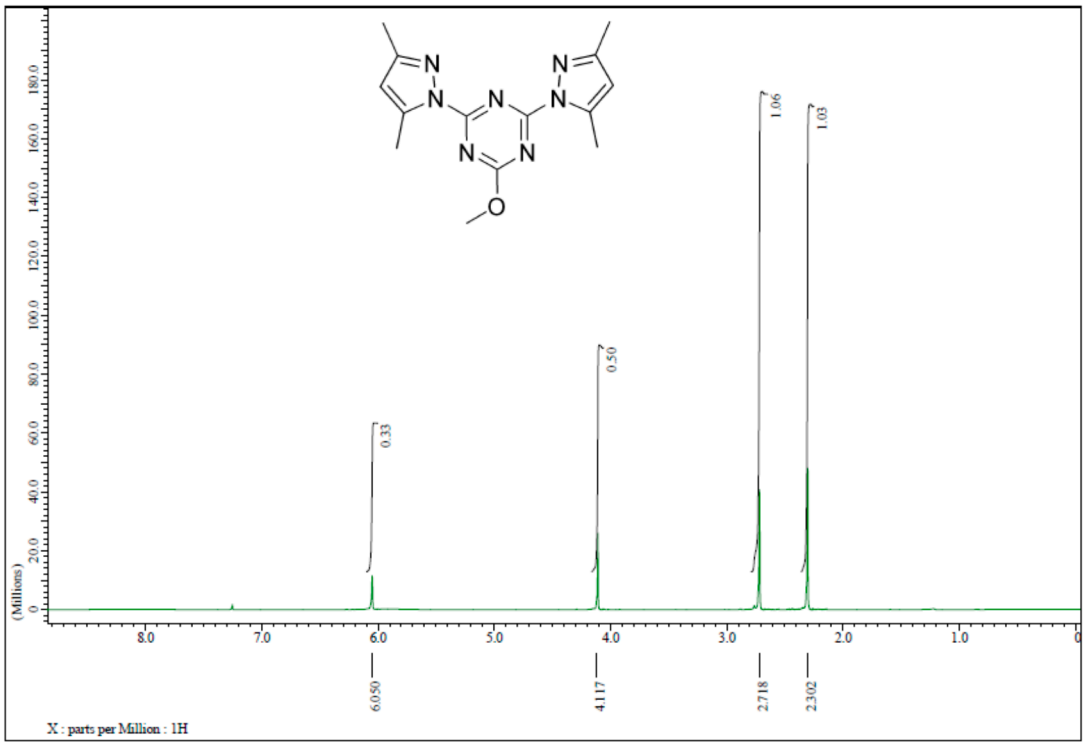
Cell lines

Mammary breast adenocarcinoma cell lines MDA-MB-231 and MCF-7 were supplied from the German Collection of Microorganisms and Cell Cultures (DSMZ) (Braunschweig, Germany). The cells were maintained in DMEM (UFC Biotech, KSU) high glucose (4.5g / L) supplemented with 10% (v/v) fetal bovine serum (Gibco Invitrogen, USA) and penicillin and streptomycin (Hyclone, USA). The cells were incubated at 37ºC in a humidified incubator with 5% CO_2.

Cytotoxicity assays:

To carry out the MTT (3-(4,5-Dimethyl thiazol-2yl)-2, 5-diphenyl tetrazolium bromide) assays, the cells were cultured on 24-well plates (5×10^4 cells/well) in 1000 µL of medium. After 24 h, cells were treated with different concentrations from 10 to 100 µg/mL. After 48 h of incubation, 100 µL of MTT solution (5 mg/mL) was pipetted to each well and incubated for 2 hours. The percentage of cell viability was measured by colorimetric MTT assay and the dose-response curve graph was plotted to calculate the IC_{50} values (50% inhibitory concentration) as previously published [30]. Three independent experiments with two wells per treatment were carried out.

Figure S1: ^{1}H and ^{13}C NMR spectra of the ligand (**MBPT**). Chemical shifts are reported in parts per million (ppm).



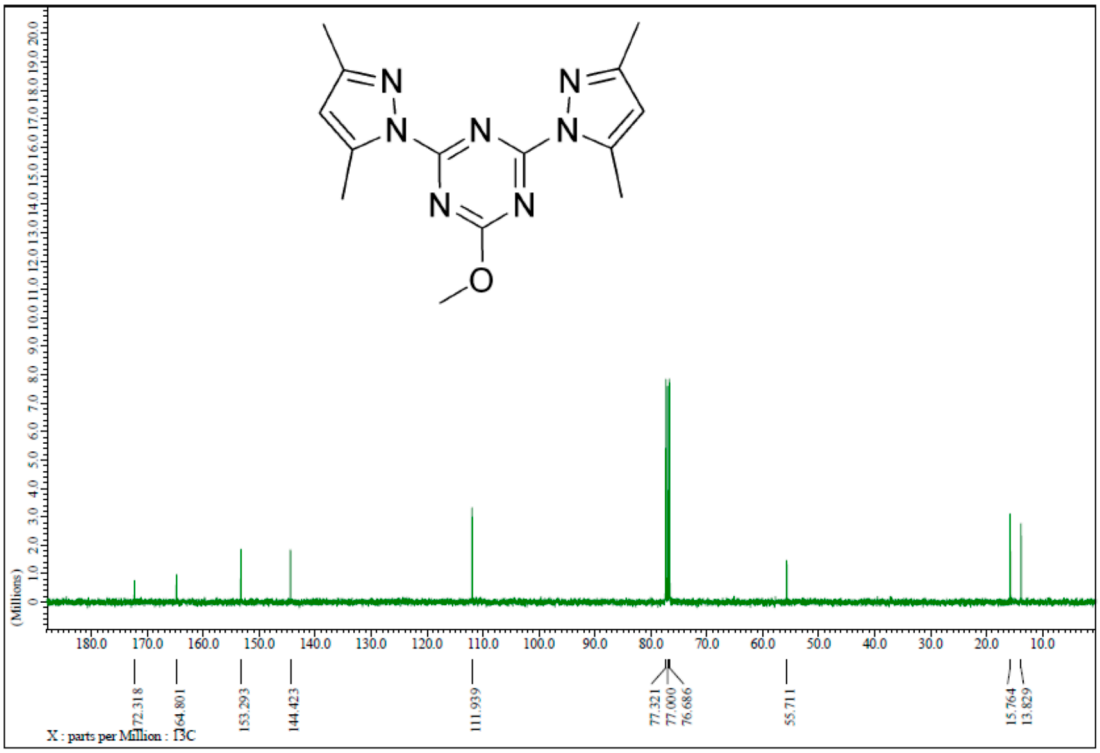


Figure S2: Hirshfeld surfaces of the studied complex.

