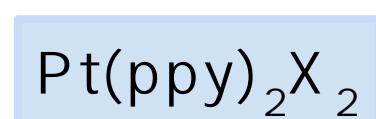
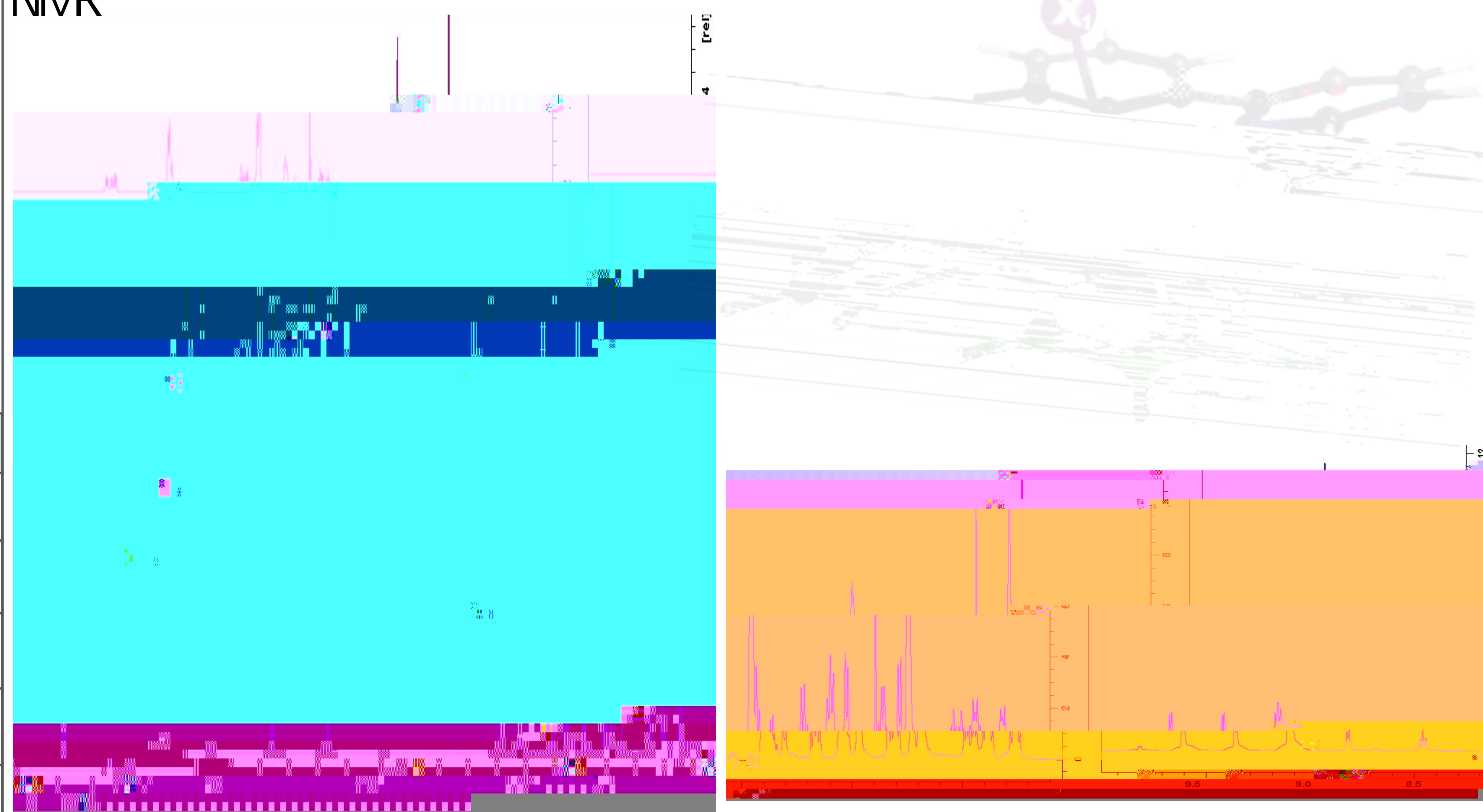


The Compounds

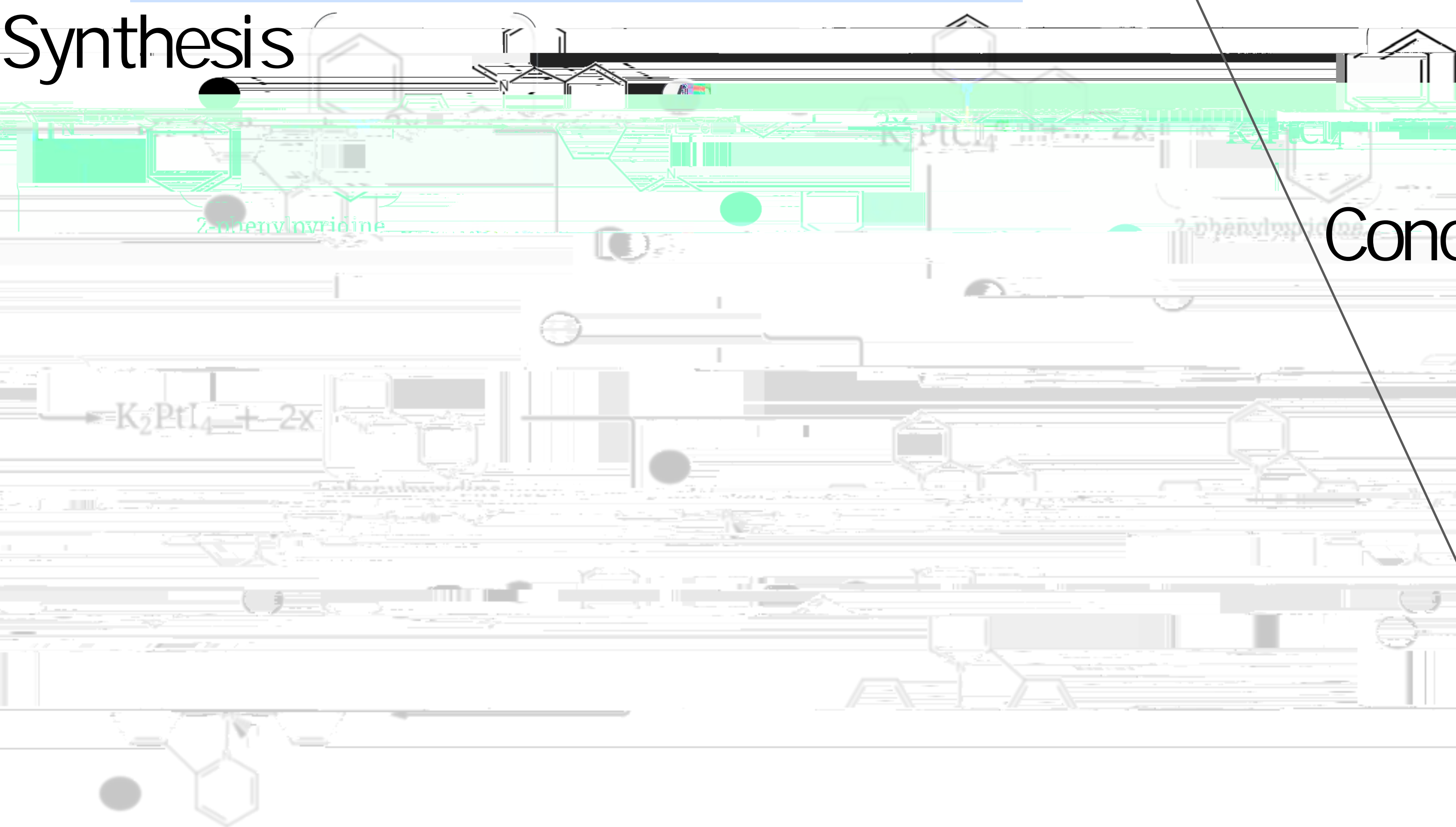
Compound	Identity	Characteristics
Compound 0	K_2PtCl_4	Red powder; sl. sol. H_2O /tert-butanol; polymerizes quickly in H_2O
Compound 1	$Pt(ppy)(ppyH)Cl$	Yellow powder; v. sol. DMF; sl. sol. THF, acetone; sol. $CHCl_3$; insol. methanol
Compound 2	$Pt(ppy)(ppyH)I$	Dull yellow/tan brown powder; v. insol. H_2O ; insol. methanol; sl. sol. acetone
Compound 3	$Pt(ppy)_2I_2$	Tan; sol. THF; v. sl. sol. DMF, $CHCl_3$, benzene; insol. propanol, methanol, pentane, H_2O
Compound 4	$Pt(ppy)_2Cl_2$	Unknown, not found in literature.
Compound 5	$Pt(ppy)(ppyH)Br$	Unknown



NMR



Synthesis



Conclusions



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Dr. Murphy for help with NMR, Dr. Howard for mentorship, Dr. Keller for help with WebMO, Shadrach Stitz for being a great lab partner, and Dr. Drew for guidance in research involvement.

References