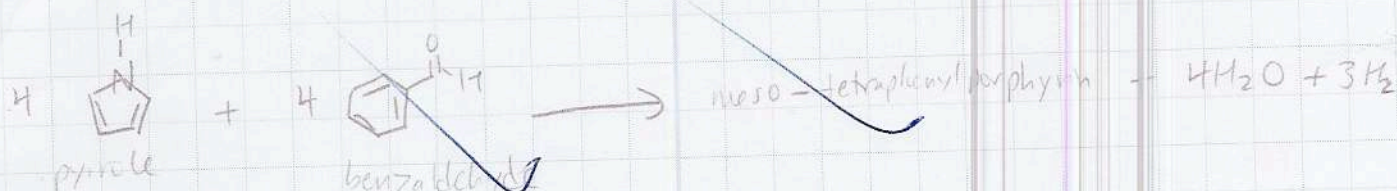


Equation



Objectives

- 1) Synthesize a porphyrin
- 2) gain familiarity w. measurements + calculations related to the magnetic susceptibility of an organic compound

Reagent	MW	Safety
Propionic Acid	74.08	irritant, corrosive, do not touch or inhale
Pyrrole (density 0.966g/ml)	67.09g/mol	toxic, harmful by inhalation or skin absorption
Benzaldehyde	106.12g/mol	eye irritant, dangers unknown
Methanol	32 g/mol	toxic, harmful to touch (irritant)

0.0356 (L. Reagent)	1 mol meso-tetraphenyl porphyrin	614.74 g	1 mol porphyrin	= 216.84g
0.0356 mol benzaldehyde	4 mol benzaldehyde		mol mlt porphyrin	216.84g
0.036 mol pyrrole	67.09 g / mol	mL / 0.966 g		5.47g
0.0356 mol benzaldehyde	106.12 g / mol	mol / 1.05g		