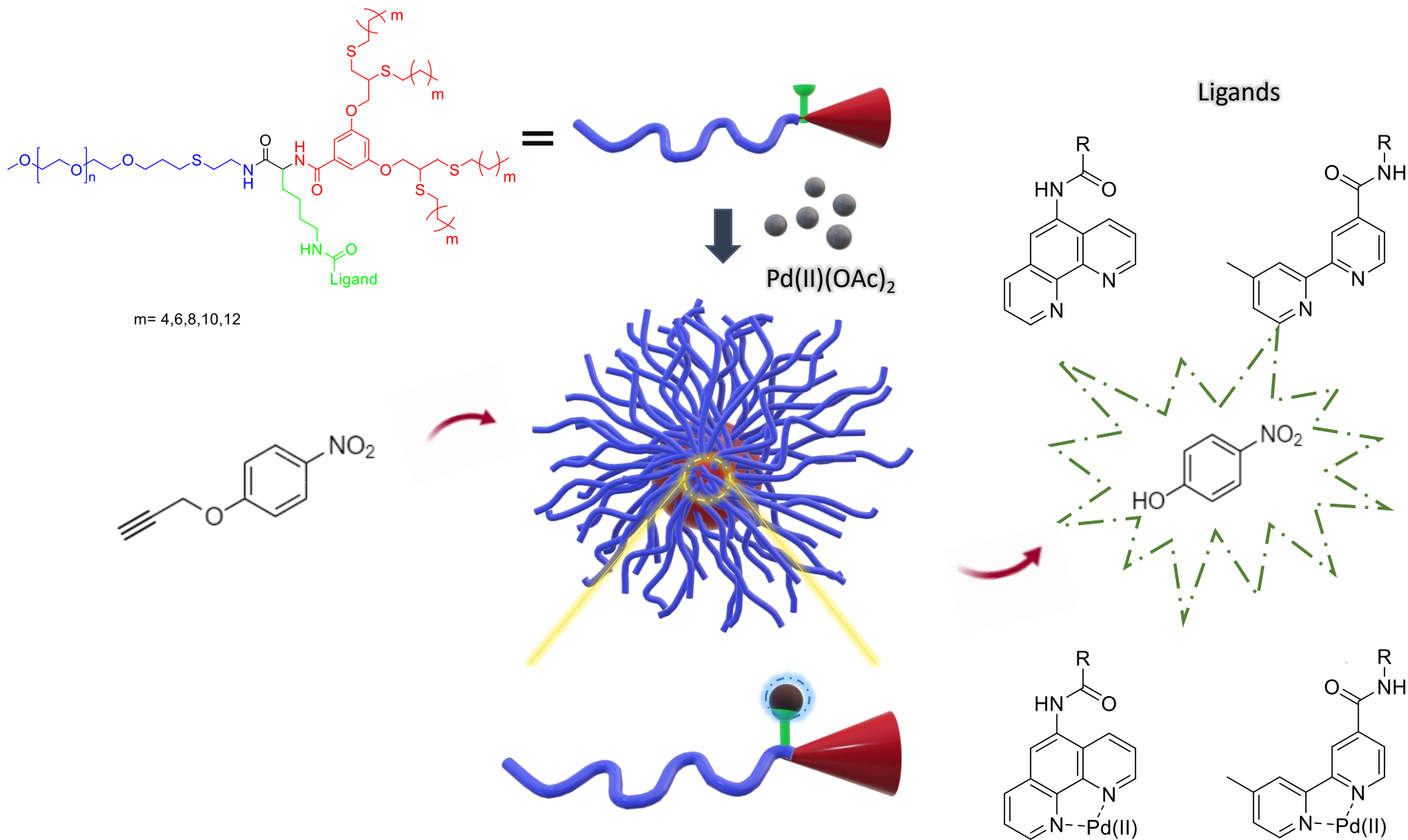


Shreyas Wagle ESR 2 Fellow

*Institution: Tel Aviv University
Group: Organic and Polymer Chemistry
Supervisor: Prof. Roey J. Amir
E-mail: wagle@tauex.tau.ac.il*

Meeting 2
Edinburgh, 3rd February 2020



Stock Solutions

1. Polymer - 1mg/mL in Acetone [167 μ M]
2. Metal (Pd(OAc)₂) – 0.037mg/mL in Acetone [167 μ M]
3. Substrate (PNP-Propargyl-Ether) – 10 mg/mL in DMSO [56.4mM]

Final Mol Ratio

Pol : Metal : Substrate
80 : 80 : 400 μ M
1 : 1 : 5 mol

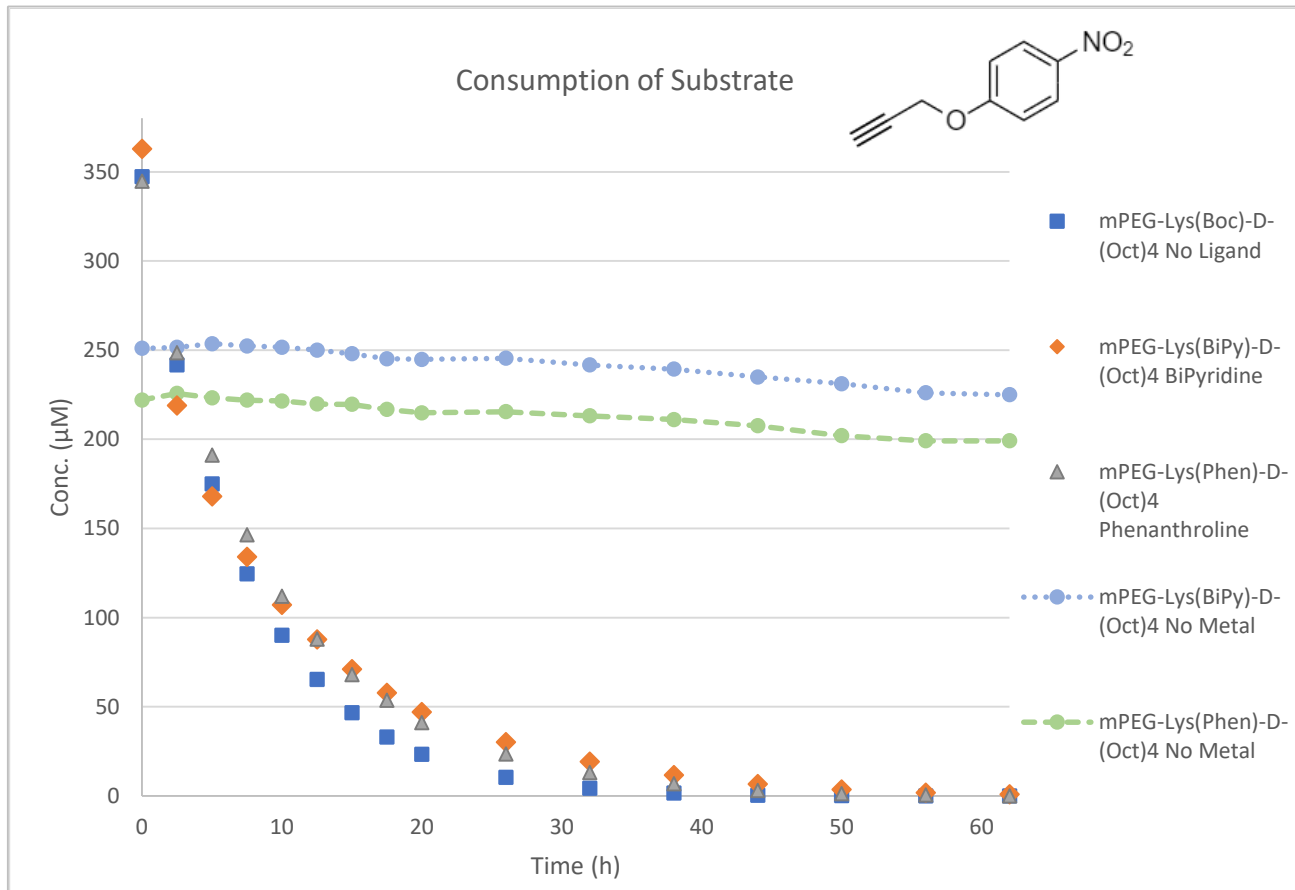
Mix 0.5 mL Polymer solution & 0.5 mL Metal solution

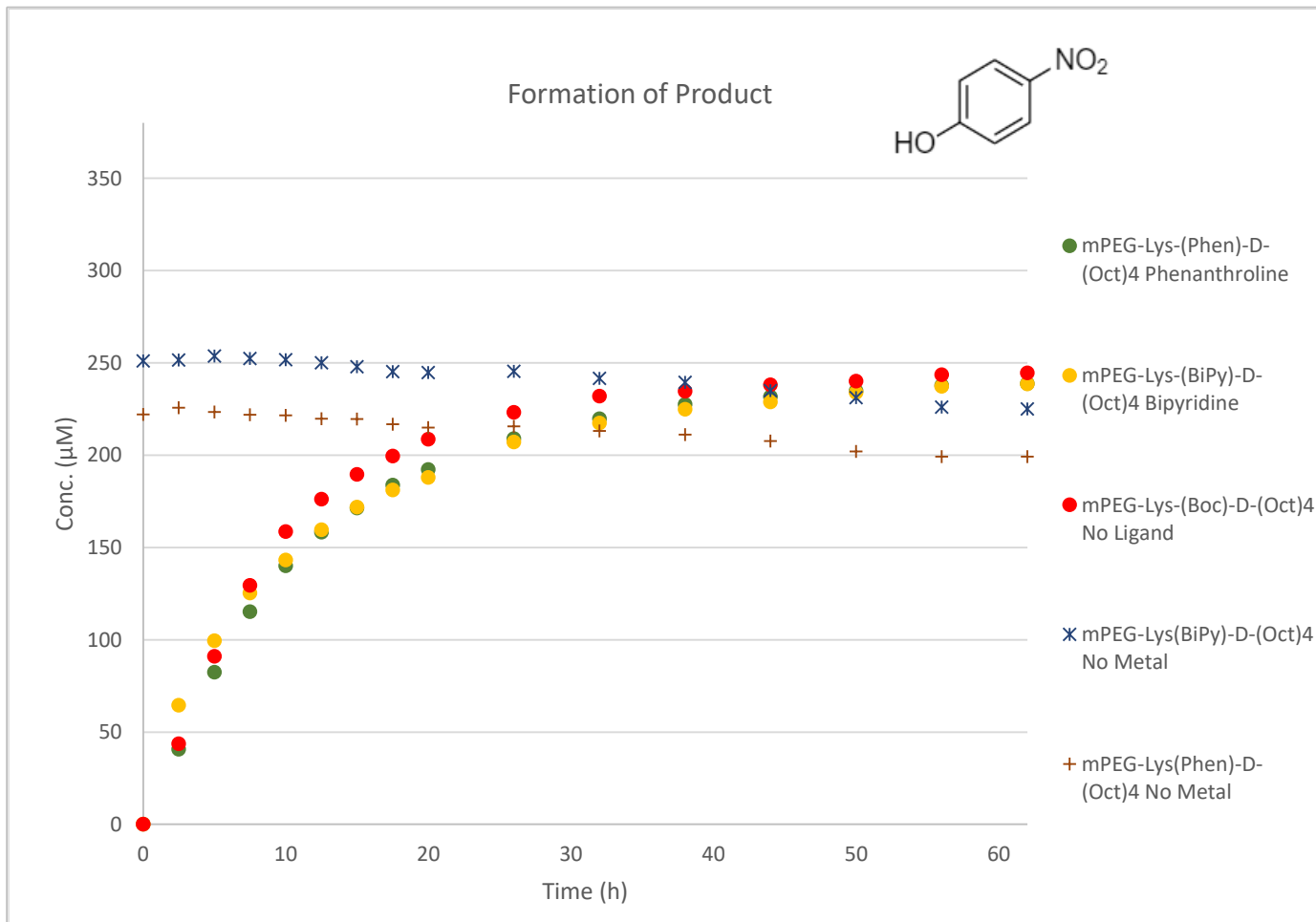
Stir at RT
Overnight

Add 1ml of PBS.
Vortex & sonicate

Evaporate & High Vacuum

Add 7.5 μ l of substrate stock
Vortex & inject into the HPLC.





Stock Solutions

1. Polymer – 4 mg/mL in Acetone [167 μ M]
2. Metal (Pd(OAc)₂) – 0.037mg/mL in Acetone [167 μ M]
3. Substrate (PNP-Propargyl-Ether) – 4 mg/mL in DMSO [22.56 mM]

Final Mol Ratio

Pol : Metal : Substrate
320 : 80 : 160 μ M
4 : 1 : 2 mol

Mix 0.5 mL Polymer solution & 0.5 mL Metal solution



Stir at RT for 1 hour



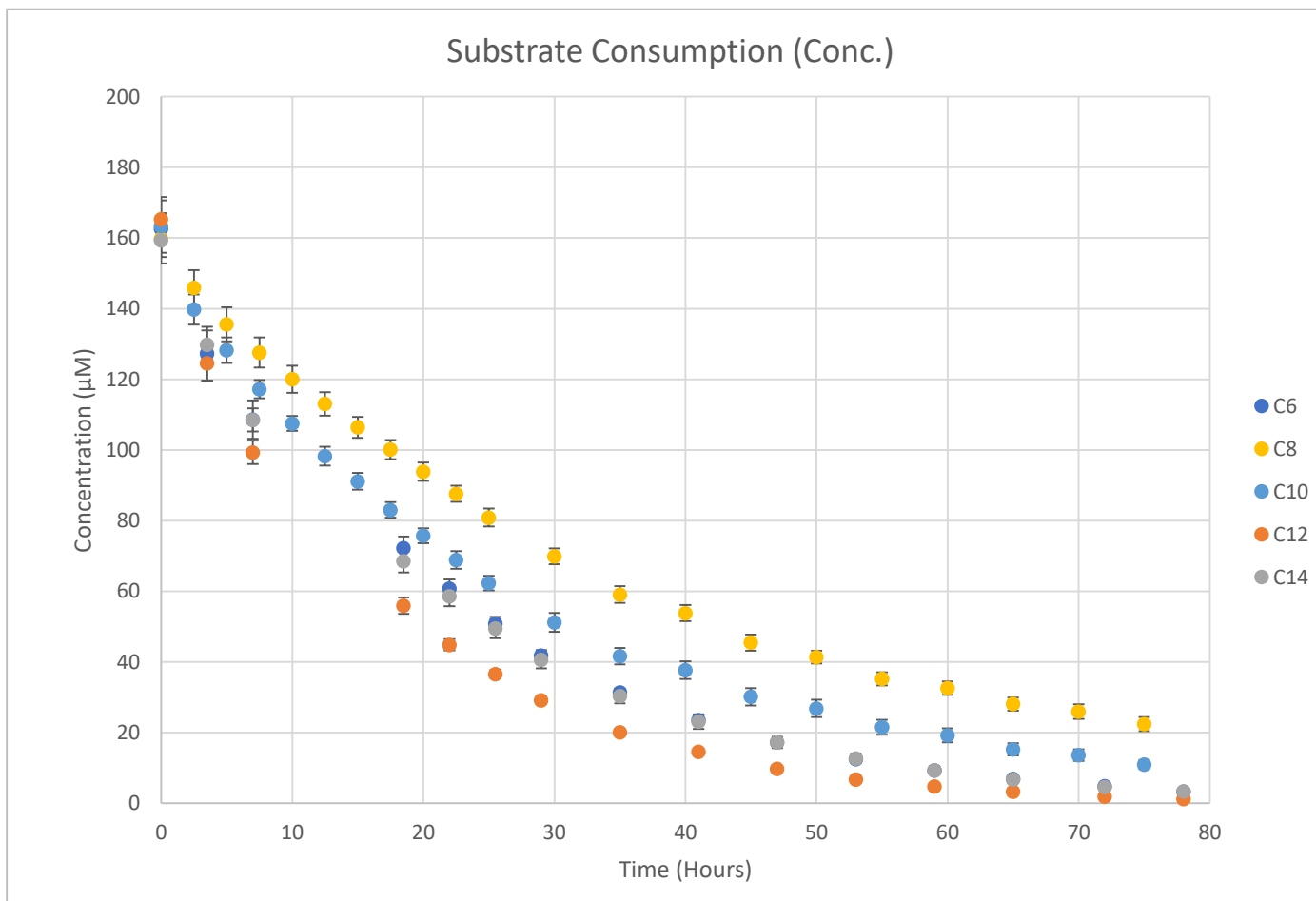
Evaporate & High Vacuum

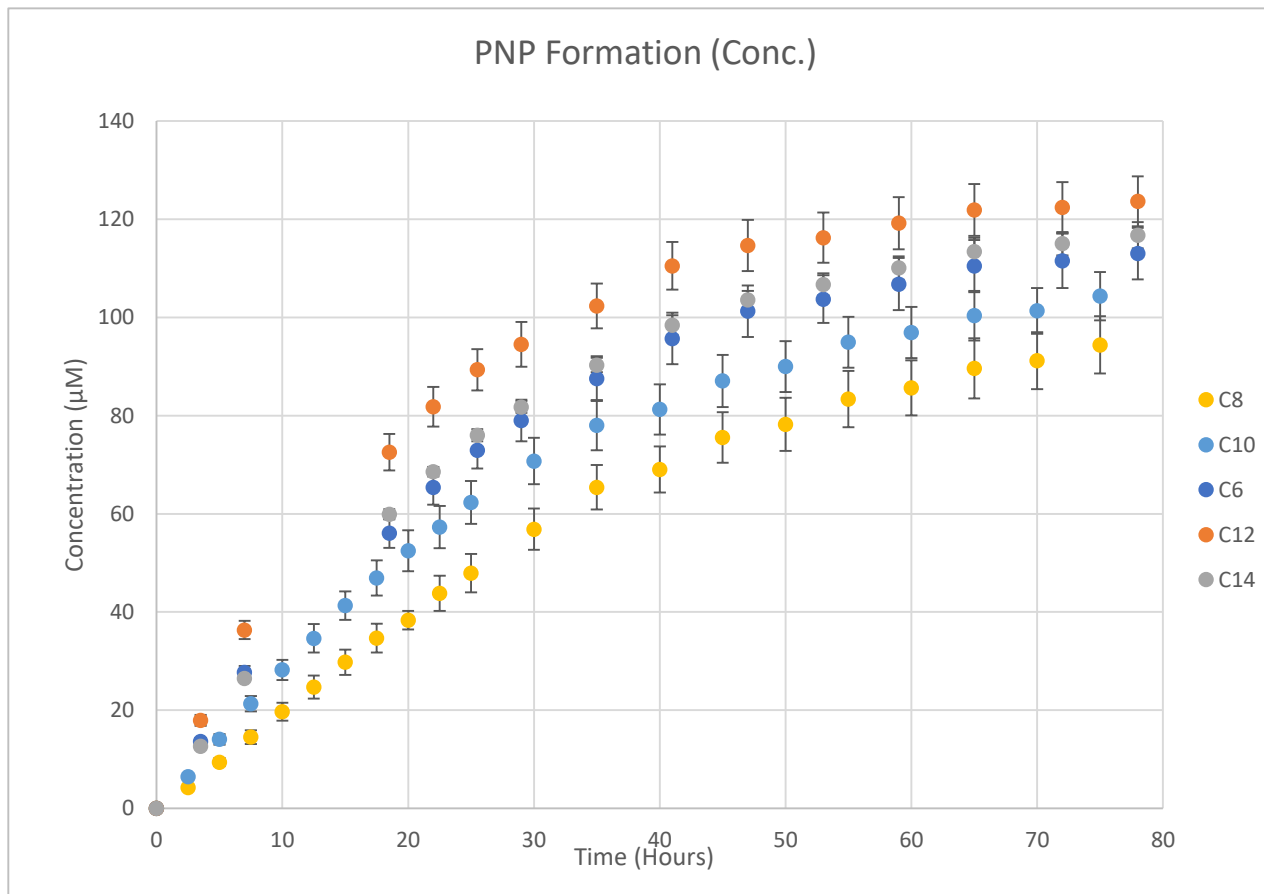


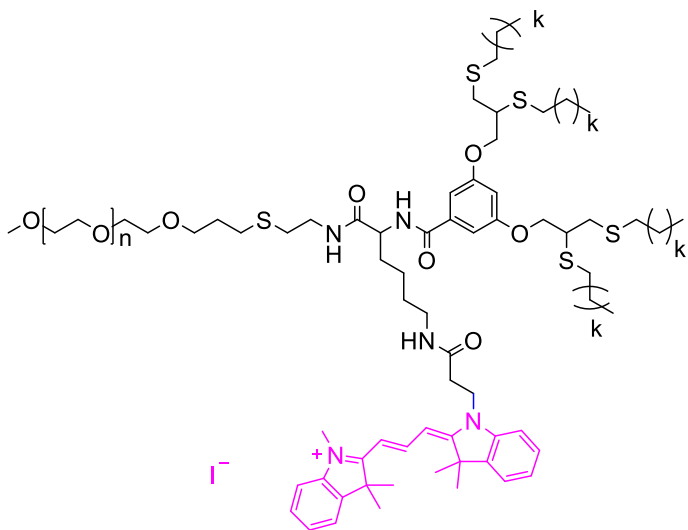
Add 1ml of PBS.
Vortex & sonicate



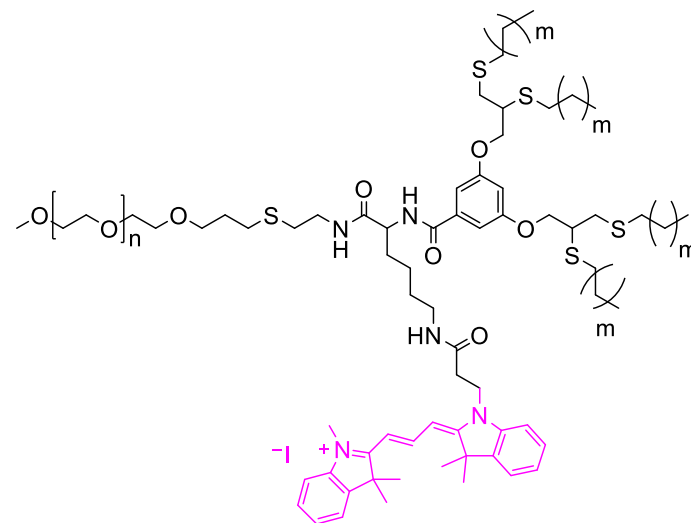
Add 7.5 μ l of substrate stock
Vortex & inject into the HPLC.



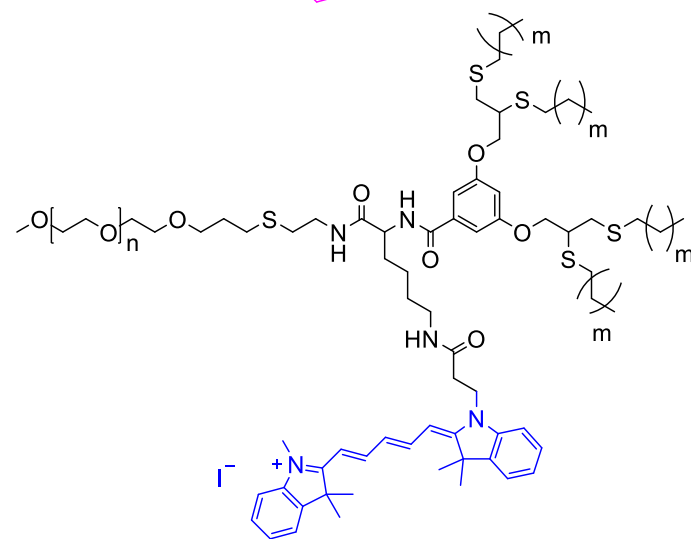
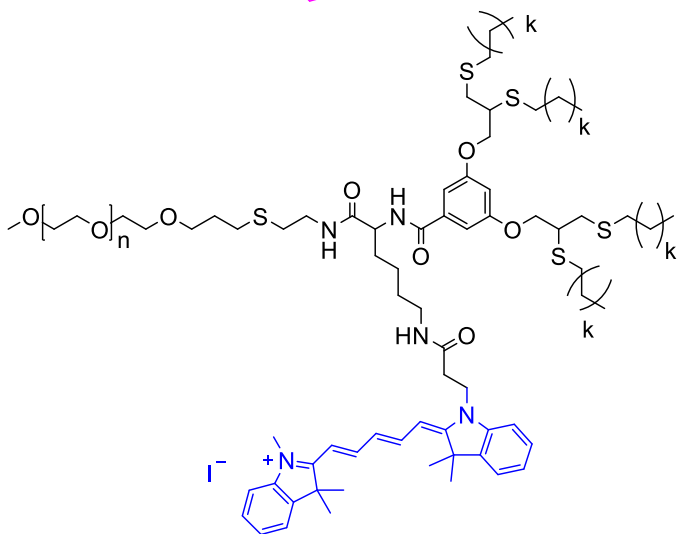




$k = 4$

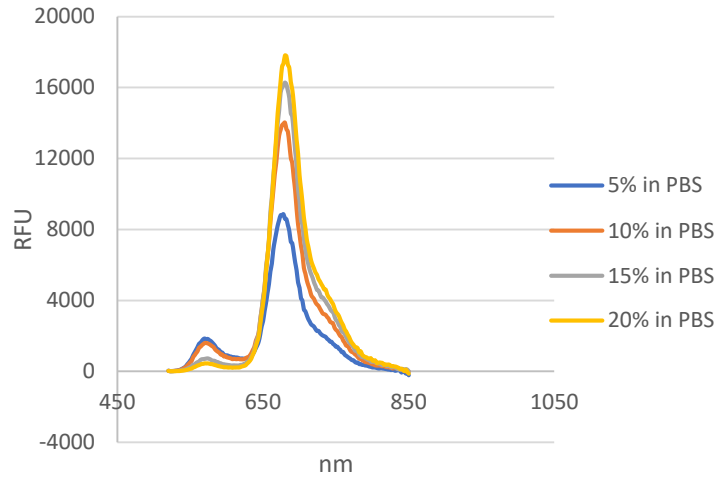


$m = 10$

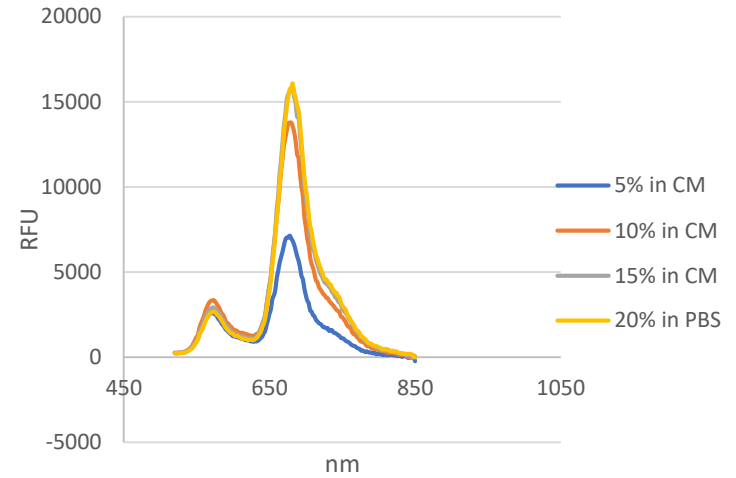


FRET Experiments C6

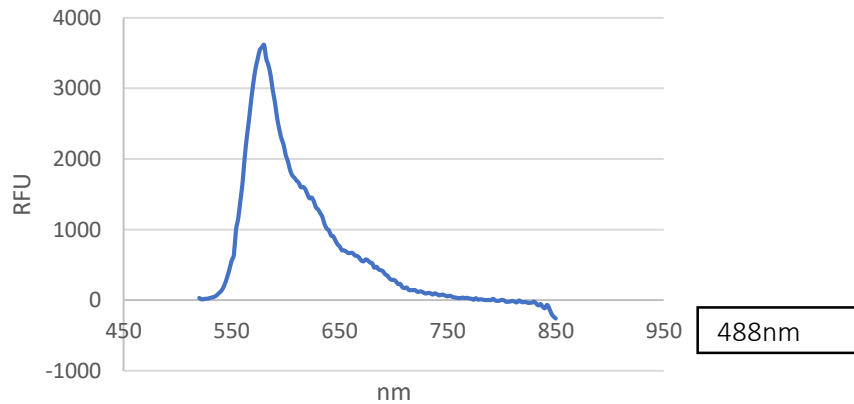
C6 FRET in PBS



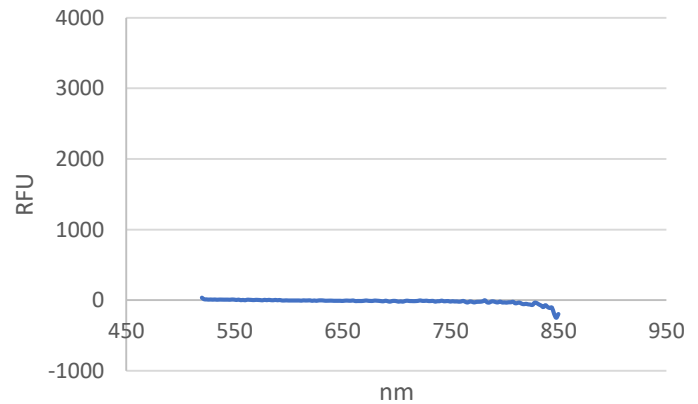
C6 FRET in Cell Medium (90%)



C6-Cy3



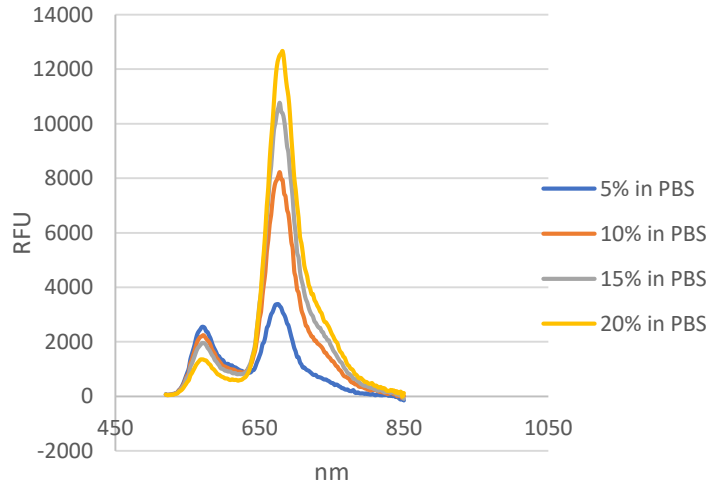
C6-Cy 5



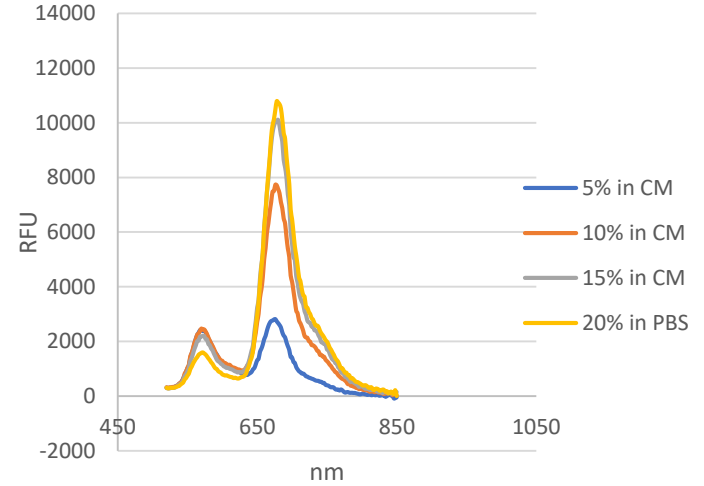
FRET Experiments C12

488nm

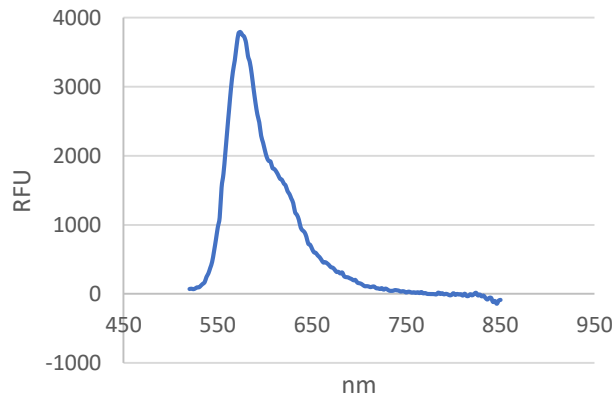
C12 FRET in PBS



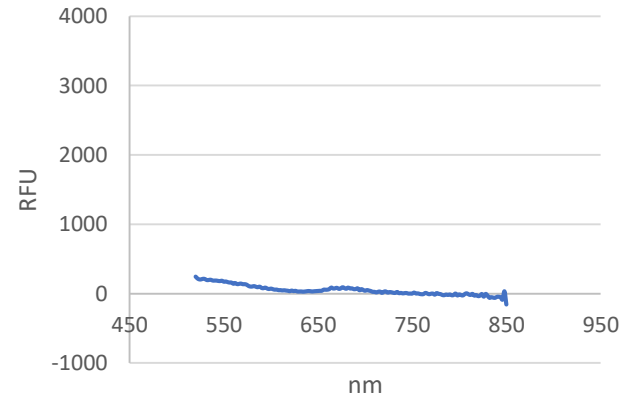
C12 FRET in Cell Medium (90%)



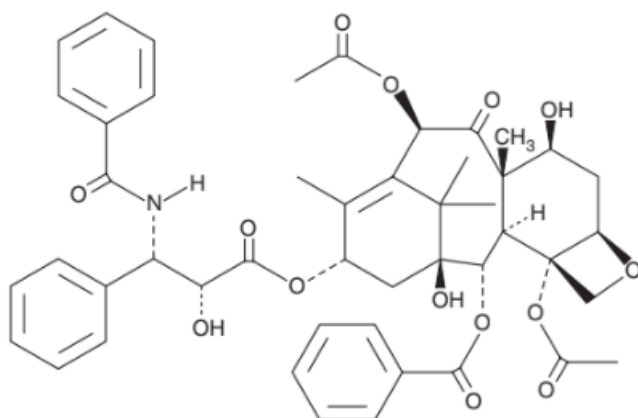
C12 -Cy3



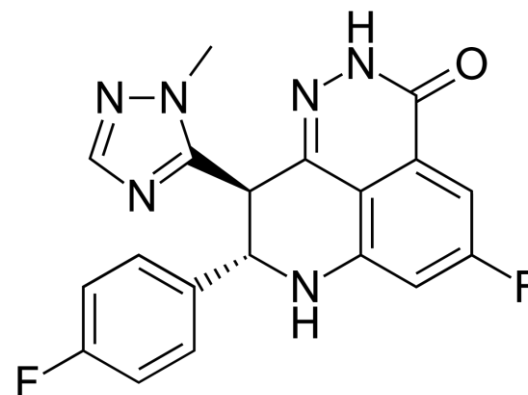
C12-Cy 5

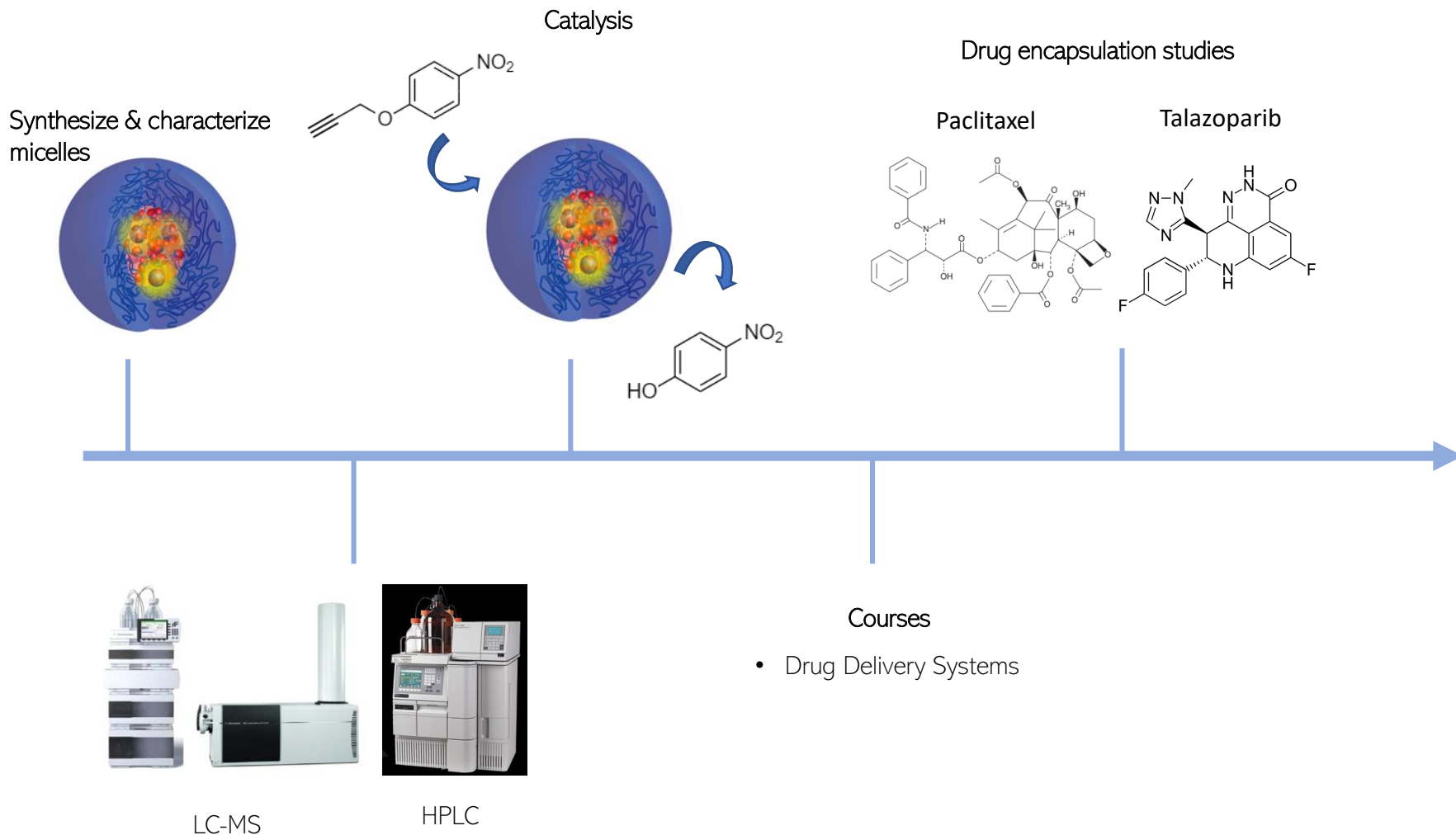


Paclitaxel



Talazoparib





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मुखपृष्ठ » व्हिवा

जगाच्या पाटीवर : संशोधनाचं श्रेयस विचारमंथन

जर्मनीत केमिकल इंडस्ट्रीमधल्या अनेक संस्था वैविध्यपूर्ण प्रकल्पांवर काम करत असल्याने चांगल्या संधी उपलब्ध व्हायची शक्यता होती.

राधिका कुंटे | October 18, 2019 03:55 am

