

## Budget

Research Supplies (*consumable supplies and equipment*)

Item	Price each	Quantity	Total cost	Amount requested
N-allylmethylamine 1g	\$61.56	1	\$61.56	\$61.56
Tygon tubing 50ft	\$115.60	1	\$115.60	\$115.60
Benzophenone 500g	\$33.30	1	\$33.30	\$33.30
Sodium 100g	\$93.15	1	\$93.15	\$93.15
Sodium Sulfate 2.5kg	\$65.42	1	\$65.42	\$65.42
1 mL syringes	\$46.00	1	\$46.00	\$46.00
Small Nitrile Gloves	\$32.08	2	\$64.16	\$64.16
Kim Wipes	\$9.04	2	\$18.08	\$18.08

Total      \$497.27      \$497.27

## Budget Justification

The N-allylmethylamine is the top priority on this budget. This chemical is necessary for creation of the precursor compounds (3 and 3'). While 3 and 3' have already been created, Scheme 1 will need to be ran multiple times to be certain that the process works properly. Benzophenone and sodium are two chemicals that are needed to run our tetrahydrofuran (THF) still. The THF is used with compound 4 in order to create compound 5 in Scheme 1. Sodium Sulfate is a drying agent that is used throughout the scheme. This is an important compound as it absorbs extra water that could easily ruin a further reaction because of water being present.

Tygon tubing is essential for many of the reactions, especially any reaction that requires the vacuum pump. While the tygon tubing is more expensive, it works much better than the typical rubber tubing, in addition to lasting longer. The 1 mL syringes will be used to transfer chemicals from their storage bottle to the new container that a reaction will take place in. Kim wipes will be used to properly clean research equipment and glassware before running tests so that there is no outside contamination. Lastly, the nitrile gloves will be used as a safety precaution when handling any chemical during the reaction processes.