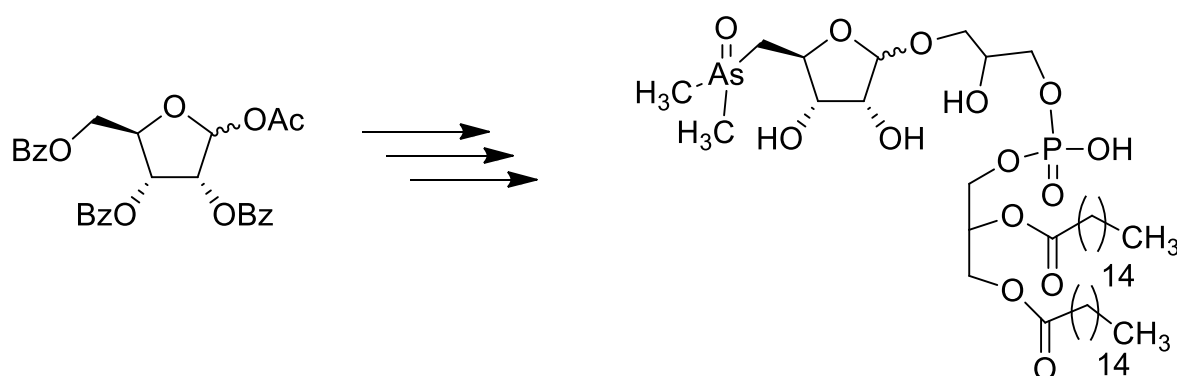


## Natural Product Synthesis of an Arsenosugar Phospholipid (Master thesis)

University of Graz

Institute of Chemistry- Department of Analytical Chemistry



### Overview

Arsenosugar phospholipids (AsPLs) have been identified in algal species, however, the origin and role of these compounds remains to be clarified. The objective of the anticipated Master thesis is the (partial) total synthesis of a naturally-occurring AsPL for toxicological, biological and analytical assessment. Several successful syntheses of arsenic-containing lipids, such as triacylglycerides, phosphatidylcholines and carbohydrates have been performed in our group, giving us confidence for this exciting project.

### Advantages

Gain experience in Organic Chemistry and NMR techniques

Publication is anticipated

Research fellowship

### Desirable Knowledge

Basic skills in Organic Chemistry and NMR techniques

### Contact

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