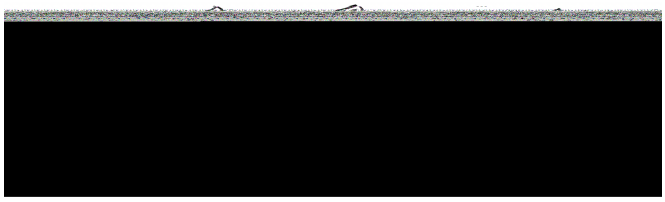
As the need for new [redacted] ticals continues to rise, the addition of a fluorine atom to a pharmaceutical co[redacted] creasingly popular way to address some of the largest challenges facing the [redacted] y, including metabolic stability and bioavailabilit About a quarter of pharmac[redacted] market or in clinical trials contain at least one fluorine atom.[2] Trifluorome[redacted] attached to a singular carbon, are especially common additives, as the ef[redacted] ve.[3] In order to ensure drug safety and effectivene the trifluoromethyl group m[redacted] ectively, which means the group must be in the correct three dimensional m[redacted] atoms on the molecule. [redacted] research into eff[redacted]

[redacted] by testing a[redacted] identity was [redacted] by mass spectrometry.



Peptoids A and B were successfully synthesized using solid-phase synthesis.

In future work, I plan to purify both peptoids using reverse-phase HPLC. Once isolated, the peptoids will be tested as catalysts in the trifluoromethylation reaction. The products will be analyzed using normal-phase HPLC to determine enantioselectivity.

1. Chan, P. W. Y.; Ya