on the market or in

clinical trials contain at least one fluorine atom.[2] Trifluoromethyl groups, three fluorines attached to a singular carbon, are especially common additives, as they can increase the steric bulk of the compound relative to hydrogen groups and provide more conformational control.[3] In order to ensure drug safety and effectiveness, the trifluoromethyl group must be added on enantioselectively

interactions as a rem[D]nding capabilities, and the S-1-phenylethylamine side chains help to promote

the cis-conformation of the molecule, which makes the compound form the optimal shape for catalysis.[6]

The three peptoids that were synthesized. The L-alaninamide side chain is in a different position relative to the proposed catalytic site (the 2-picolylamine group on the left of the peptoid) to test if steric or electronic reactions have an impact on the reaction.

All three peptoids were synthesized using solid-phase synthesis. Peptoid 1 was synthesized, analyzed via low resolution liquid chromatography/mass spectrometry (LC-MS) and purified via preparatory high-performance liquid chromatography (HPLC). Purification resulted in a 31% product yield, ¤reC). again in an Purif a pr ŏ

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