

ASYMMETRIC DECARBOXYLATIVE PROTONATION OF α -AMINOMALONIC ESTERS FOR THE SYNTHESIS OF α -AMINO ACIDS



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α -Amino acids (α -AAs) are among the most important and useful families of natural products. The objective of this PRF-funded research project has been to develop novel synthetic methods for the chemical synthesis of α -AAs that combine classical aminomalonate alkylation/decarboxylation with modern asymmetric catalysis. This work has been pursued in an effort to enable access to noncanonical α -AAs that can be used in the creation of amyloid-inspired materials derived from α -AAs and peptides.

