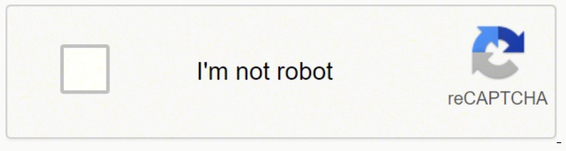

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A bioorganic experiment in Chapter 24 gives you an opportunity to accomplish a mechanistically interesting and synthetically important coupling of two a-amino acids to produce a dipeptide. Stephen Martin received his B. S. degree in chemistry from the University of New Mexico in 1968 and his Ph.D. degree from Princeton University in 1972. After postdoctoral years at the University of Munich and MIT, he joined the faculty at The University of Texas at Austin in 1974, where he currently holds the M. June and J. Virgil Waggoner Regents Chair in Chemistry. His research interests lie broadly in organic and bioorganic chemistry. In the former area, his endeavors involve developing and applying new methods and strategies to the syntheses of biologically active natural and non-natural products, especially those containing nitrogen and oxygen heterocyclic subunits. In the biological arena, he is studying fundamental aspects of molecular recognition in biological systems with a particular focus on how making specific structural changes in a ligand, particularly with respect to preorganization and nonpolar surface area, affect energetics and dynamics in protein-ligand interactions. He has received a number of awards including a NIH Career Development Award, an American Cyanamid Academic Award, an Alexander von Humboldt Award, an Arthur C. Cope Scholar Award, a Japanese Society for the Promotion of Science Award, a Wyeth Research Award, and the International Society of Heterocyclic Chemistry Senior Award. He is a fellow of the American Association for the Advancement of Science and has served as a consultant for a number of pharmaceutical and biotechnology companies. He is the regional editor of "Tetrahedron for the Americas." He has delivered numerous invited lectures at national and international meetings, academic institutions, and industrial companies, and has published over 300 scientific papers in primary journals together with several reviews and articles in books. He is also co-author of "Experimental Organic Chemistry: A Miniscale and Microscale Approach." Jack Gilbert joined the faculty of the University of Texas at Austin in 1965 and moved to Santa Clara University in 2007, where he is Professor of Chemistry & Biochemistry. He received the Advisory Council Teaching Excellence Award at UT the 2002-2003 academic year, as well as many other recognitions in teaching. While at UT, he co-authored several editions of the first laboratory textbook in organic chemistry that emphasized reactions mechanisms, as well as laboratory techniques, including spectroscopy. He continues to update the textbook, now with the able assistance of Steve Martin. Type Book ISBN 9781305080461 Number Of Pages 960 Item Weight 2313 g Product Dimensions 220 x 284 x 40 mm Publisher Cengage Learning, Inc Format Hardback Main Content for Cengage Brain Product Section Purchase Options You must select a purchase option before adding to cart This SKU table contains a list of all SKUs available for the product. You can filter the list of items shown by selecting attributes. Compare Add more to compare Added eBook ???EBOOK_POPUP_MSG??? OK CANCEL Jack Gilbert joined the faculty of the University of Texas at Austin in 1965 and moved to Santa Clara University in 2007, where he is Professor of Chemistry & Biochemistry. He received the Advisory Council Teaching Excellence Award at UT the 2002-2003 academic year, as well as many other recognitions in teaching. While at UT, he co-authored several editions of the first laboratory textbook in organic chemistry that emphasized reactions mechanisms, as well as laboratory techniques, including spectroscopy. 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