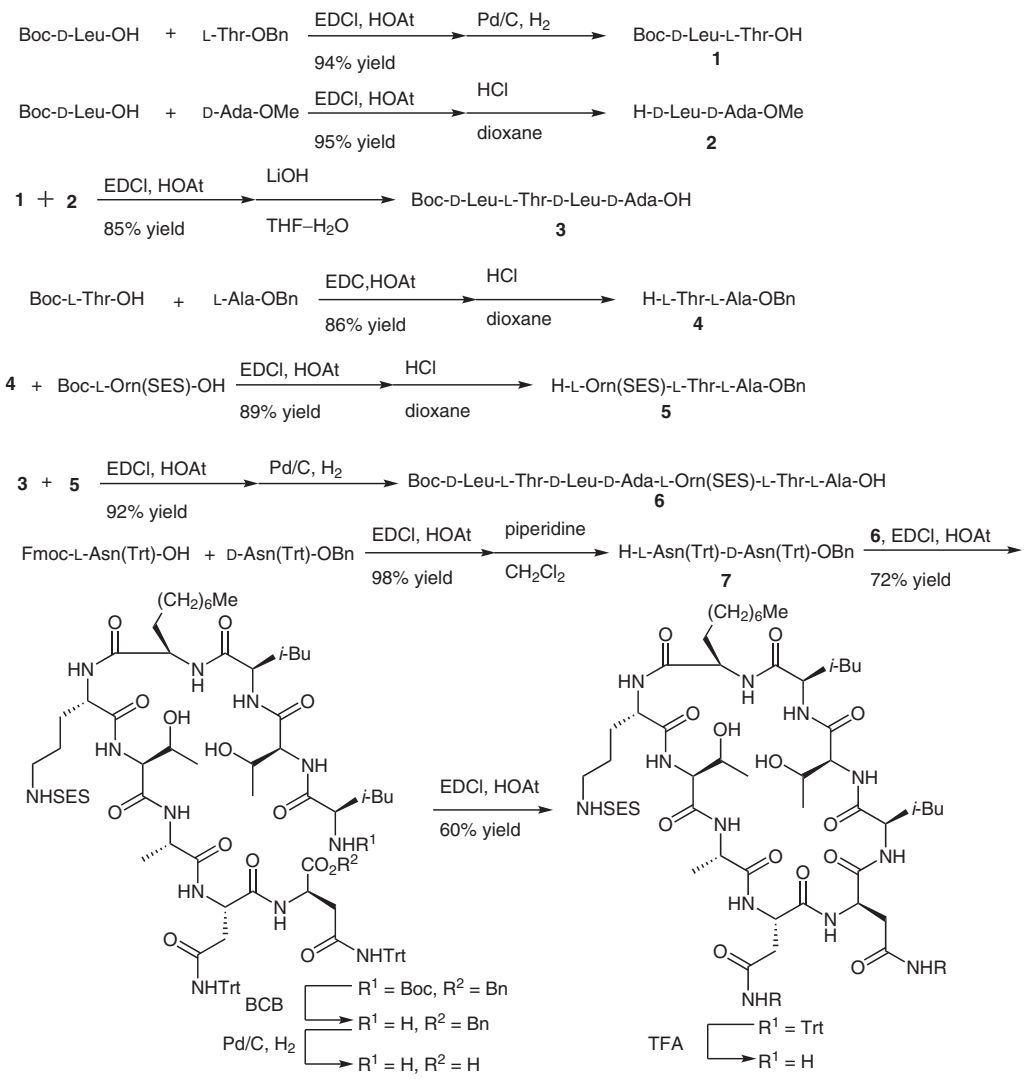
P. DESAI, S. S. PFEIFFER, D. L. BOGER* (THE SCRIPPS RESEARCH INSTITUTE, LA JOLLA, USA)

Synthesis of the Chlorofusin Cyclic Peptide: Assignment of the Asparagine Stereochemistry
Org. Lett. **2003**, *5*, 5047–5050.

Chlorofusin Cyclic Peptide Synthesis



Significance: Cyclic peptides with unique molecular topologies have attracted attention from the fields of biochemistry and medicinal chemistry. In 2003, Boger and co-workers synthesized the cyclic peptide of chlorofusin, consisting of nine amino acid residues.

Comment: The nine amino acids were assembled from four subunits. Subsequent cyclization using coupling reagents proceeded smoothly to give the 27-membered macrocycle in a moderate yield.

SYNFACTS Contributors: Hisashi Yamamoto, Tomohiro Hattori
Synfacts 2020, 16(03), 0363 Published online: 18.02.2020
DOI: 10.1055/s-0039-1691660; **Reg-No.:** H02620SF

Category
Peptide Chemistry

Key words
chlorofusin
cyclic peptides
coupling reagents
macrocycles