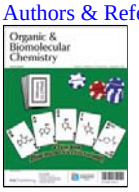

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Microwave-assisted chemical ligation of *S*-acyl peptides containing non-terminal cysteine residues

Finn K. Hansen , Khanh Ha , Ekaterina Todadze , Aaron Lillicotch , Alexander Frey and Alan R. Katritzky

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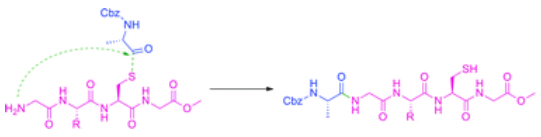
Abstract Cited by Related Content

An efficient approach for the synthesis of a series of *S*-acyl peptides containing internal cysteine residues has been developed and the chemical long-range ligation of these *S*-acyl peptides *via* 5-, 8-, 11- and 14-membered cyclic transition states has been investigated. Our results include the first examples of successful isopeptide ligations starting from *S*-acyl peptides containing non-terminal cysteine residues and indicate that the cyclic transition states studied in this present paper are decreasingly favored in the order of their sizes 5≫14>11≫8.



Supplementary Info

- Supplementary information
  PDF (718K)

Articles By

- Finn K. Hansen
- Khanh Ha
- Ekaterina Todadze
- Aaron Lillicotch
- Alexander Frey
- Alan R. Katritzky