

A faster solid phase peptide synthesis method using ultrasonic agitation.

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Streszczenie

Solid phase-supported synthesis is a widely used strategy in peptide chemistry. A factor which limits the product purity is the individual stages yields. Here, we reported that the use of ultrasonic agitation allows to reduce tenfold the time of synthesis in the Fmoc strategy and improve the purity of the final product. Our method is a promising alternative to traditional synthetic methods and microwave synthesizers.

Słowa kluczowe

Peptide synthesis, SPPS, Ultrasonication, Coupling reaction conditions

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