Novel Fluorous Phase for the Separation of Organic Compounds
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Peptide Synthesis Using FSPE
The following results show how FSPE can be an efficient and attractive technique for peptide synthesis (or other multiple-step syntheses).

First Step: N-Protection of Amino Acid (AA) using F-Boc-ON followed by FSPE.

Second Step: Amide Coupling (PyBOP) followed by FSPE (this step can be repeated using different amines).

Conclusion
This work illustrates the use of FSPE as a new synthetic tool. Among the many advantages of FSPE over conventional methods are the simplicity and efficiency of the purification step. FSPE is especially attractive for combinatorial and parallel chemistry, but it is also useful in multi-step synthesis.