

Complete and up-to-date review of solid-phase synthesis

Timely and relevant information through frequent updates

Focus on small-molecular chemistry plus important developments in macromolecular synthesis

Includes a wealth of additional information

Solid-Phase Synthesis

Solid-Phase Synthesis focuses on chemical reactions of substrates attached to solid supports (polystyrene, polyethylene glycol, cellulose, controlled-pore glass etc.), including methods for attachment and detachment from the supports. It is of particular interest in the field of combinatorial and parallel synthesis.

Complete and up-to-date

Accelrys' Solid-Phase Synthesis (SPS) database offers the most complete and up-to-date review of solid-phase organic synthesis techniques available from any single source.

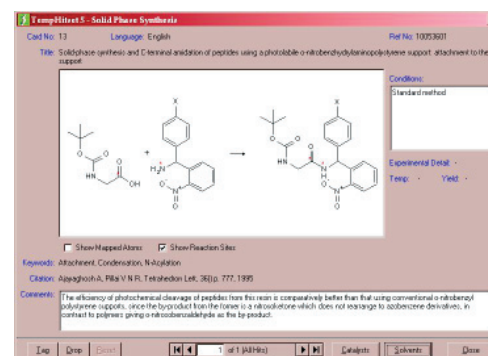
With quarterly updates of new data, the database offers timely access to relevant information in this important and rapidly developing area. In particular, it is an invaluable aid for researchers engaged in the production of combinatorial libraries.

Published data

Database entries are selected from the chemical literature, including patents, to illustrate the variety of reaction types which have been demonstrated on solid-phase supports. Such reactions include methods for attachment to and detachment from the resin in addition to representative transformations of the supported substrate. Newer techniques, such as the use of resin-bound reagents, are also represented.

The emphasis is on small-molecule chemistry, which has greatest relevance for the synthesis of new drugs and agrochemicals, although state-of-the-art methods and new developments in the important areas of peptide, oligosaccharide and oligonucleotide chemistry are also covered.

A wealth of additional information is included to facilitate the development of suitable protective group strategies and selection of appropriate resins and linkers.



The main database form, in Accord format, with reaction sites highlighted

Key features

- Thorough coverage of the literature on solid-phase techniques – including patents
- Emphasis on small-molecule chemistry
- Important new developments in peptide, oligo-saccharide and oligonucleotide synthesis
- Quarterly updates, keeping the databases timely and relevant

System Specifications

Accelrys' Solid-Phase Synthesis database has been designed for use with the popular Accord and ISIS™ reaction-retrieval systems on both desktop and client/server platforms. It is compatible with reaction databases supplied by Accelrys and other reputable database vendors, as well as with in-house systems built using the same database systems.

Supported Platforms:

Accord		Unix & Windows
ISIS/Host™	2.1 or higher	VMS, Unix & Windows
ISIS/Base	2.1 or higher	Windows
Other systems		Please inquire

You are welcome to evaluate the database on-site for 30 days with no obligation.