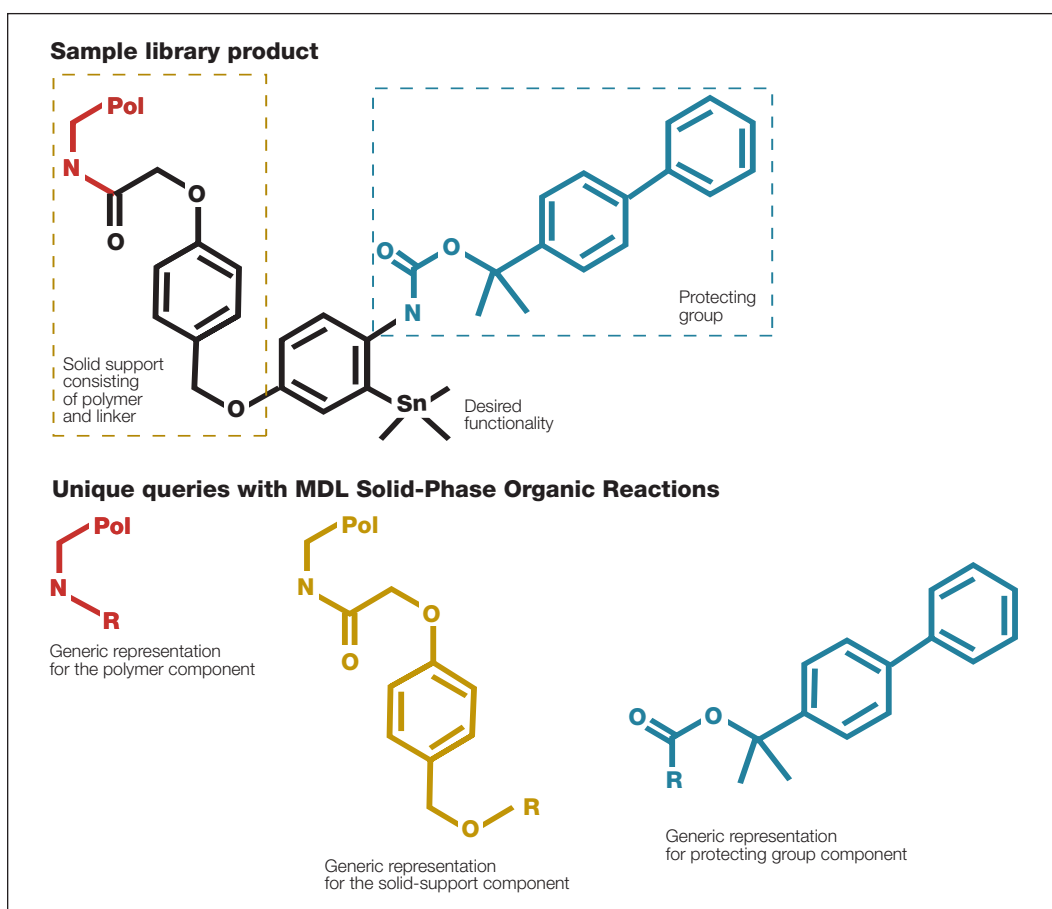


MDL® Solid-Phase Organic Reactions

MDL® Solid-Phase Organic Reactions addresses the unique needs of combinatorial chemists by offering expanded datafields and extensively abstracted content specific to solid-phase chemistry.



MDL Solid-Phase Organic Reactions' unique classes of generic "molecular roles" enable scientists to search for polymers, solid supports, and protecting groups in addition to standard reaction participants—and to benefit from the ability to fully assess how each component will impact the final synthesis design.

Informed library planning

With high-throughput techniques dominating discovery R&D, knowledge about solid-phase chemistry is crucial at the bench. MDL Solid-Phase Organic Reactions provides access to four decades of research in polymer-supported synthesis design and powerful query tools to help chemists apply this knowledge to the design of successful, robust combinatorial libraries.

MDL Solid-Phase Organic Reactions enables chemists to:

- Easily retrieve information on specific components—polymers, linkers, solid supports, and protecting groups
- Assess the performance of components under a variety of reaction conditions
- Rapidly visualize multistep sequences to evaluate their scope and limitations
- Browse new and novel methodologies



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Powering
the Process
of Invention™

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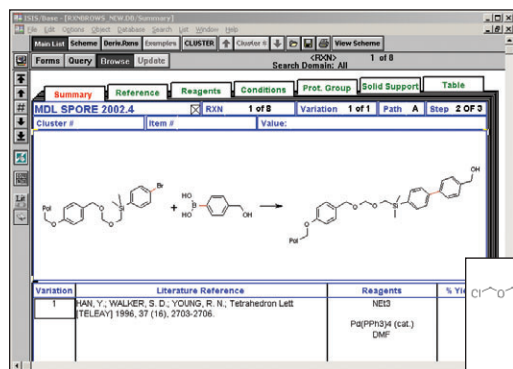
About MDL

Over 1,000 life science companies supercharge their discovery engines with MDL software solutions to generate fresh ideas and make breakthrough discoveries. By synchronizing and streamlining the sharing and management of vital information and knowledge, we enable scientists to work more efficiently and invent drugs faster. This saves time, money, and lives. In support of our customers and the momentous challenges they face, everything we do must be reliable, resourceful, innovative, and insightful.

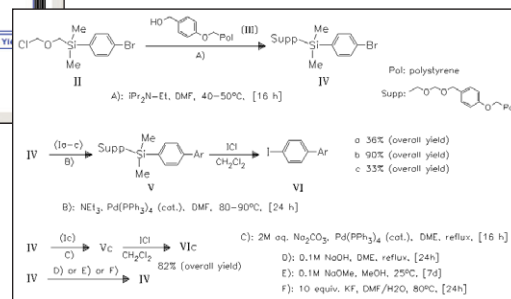
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SPORE/01-03/5k



Chemists can organize search results based on any field in MDL Solid-Phase Organic Reactions to speed decision making. Alternatively, to keep an eye on the big picture, chemists can use MDL Solid-Phase Organic Reactions' full scheme display to see how reaction structures, reaction conditions, yields, and substituent effects come together in an actual multistep synthesis.



Expert, comprehensive coverage

Abstracted by experienced synthetic chemists at FIZ Chemie Berlin, MDL Solid-Phase Organic Reactions covers literature in solid-phase synthesis from 1963 to the present. Quarterly updates select relevant reactions from over 150 primary chemistry journals and selected patent sources. All solid-phase reactions in a synthetic sequence are abstracted in MDL Solid-Phase Organic Reactions, including:

- Coupling to and from solid supports
- Insertion of linkers and spacers
- Protection and deprotection of functional groups
- Modification of solid supports

Expanded methodology data

Expanded datafields are available for every reaction in MDL Solid-Phase Organic Reactions, enabling scientists to better understand the scope and limitations of chosen methods. These include:

- References to the original literature
- Relationships between individual reactions in a synthetic sequence
- Reagents, catalysts, and solvents employed in a reaction

- Source, purity, and amounts of starting materials, when specified
- Product yield
- Experimental reaction conditions
- Assignment of general reaction conditions or general reaction types
- Stability of bonds connecting linkers or ligands to polymers and/or solid supports
- Comments with references about reaction components (e.g., polymers, solid supports, or protecting groups) or additional information on the reaction
- Solid support materials or protecting groups represented as generic structures
- Protection and deprotection of functional groups, including data specific to the functional group receiving protection
- Indication as to whether primary references provide full experimental details

For more information on MDL Solid-Phase Organic Reactions, please contact an MDL sales representative or visit www.MDL.com.