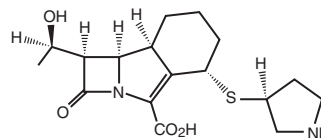


# Custom Synthesis

Many of the synthesis activities in support of developing a new drug are essential but take away from the focus of the research team. The activities may be transient and can become expensive tasks when performed in-house. Outsourcing these tasks to a partner or contract research organization is a good way to ensure that you are moving your products through the pipeline in a timely and cost-effective manner.



SRI can help. From designing new targets to developing better chemical processes, we are here to serve your needs. We have 50 years of experience in providing research services for the pharmaceutical industry. SRI's chemists are skilled at performing complex, multistep syntheses and solving difficult chemistry-related problems. We have expertise in directed library design, chiral syntheses and the use of bioisosteres such as boron and N-O. Some of the complex targets we have synthesized are:

- Artemisin antimalarials
- Benzotriazine anticancer agents
- Carbapenem antibiotics
- Steroidal HRT and anticancer agents
- Peptidomimetic antihypertensives
- Catechin chemopreventives
- Methotrexate anticancer agents

SRI's research facilities include synthesis equipment, automated purification systems, a suite of analytical equipment for the complete characterization of compounds, and special laboratories for the synthesis of hazardous materials and radiochemicals.



*Bridging the drug  
development gap*

We have assisted clients and partners by:

- Providing NCI, NIA, NIAID, and NIMH with pure compounds for their research programs
- Identifying and synthesizing side product, degradation product, and metabolite standards in support of investigational new drug (IND) filings
- Developing an improved chemical process that significantly reduced the number of reaction steps and chromatographic purifications — resulting in far lower production costs
- Developing a chiral synthesis route to confirm structural identity of target compounds
- Developing a reversible derivatization of the key intermediate of a fermentation process that led to >95% recovery of the material in >95% purity and circumvented the need for costly chromatography steps
- Developing alternative reaction conditions to replace a highly flammable reagent with a nonflammable one — the modified reaction could be safely scaled to give multiple kilogram quantities of material

Whether you need milligrams or a kilogram of material, SRI is ready to help with your custom synthesis needs.

## You Make the Call

For further information, contact our Client Services Team:

Toll Free: (866) 451-5998

Phone: (650) 859-3000

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