



YOUR GLOBAL PARTNER FROM DISCOVERY TO MARKET

ELEMENT'S INTEGRATED, END-TO-END SOLUTIONS
SUPPORT THE ENTIRE PRODUCT LIFECYCLE

ADVANCE FROM CONCEPT TO CANDIDATE

Quickly advance from concept to candidate - leverage our discovery chemistry and discovery biology expertise in target-to-hit, hit-to-lead, and lead optimization selection. Ensure seamless transfer from discovery to development with multi-step synthesis of complex targets rapid API delivery (mg to kg scale).

PHASE-APPROPRIATE DRUG DEVELOPMENT

From early development through small-scale commercialization, you can rely on Element. Phase-appropriate drug product development services include route scouting and selection, process improvement and optimization, scale-up of new synthesis routes, GMP production, manufacturing, and more.

ACCELERATE AND OPTIMIZE FORMULATIONS

Navigate the identification and transformation of drug discovery candidate synthetic processes into improved, scaled-up processes. You'll benefit from Element's decades of experience guiding and accelerating the development and optimization of small and large molecule formulations for a variety of dosage forms.

COMPREHENSIVE CMC SUPPORT

Fortify the development, clinical-scale manufacturing, regulatory submissions, post-approval, and lifecycle management of small and large molecule drug products with Element's wide-ranging capabilities and deep scientific, industry, and regulatory knowledge.

Making tomorrow safer than today



UNRIVALED SPEED, QUALITY, AND EFFICIENCY IN API MANUFACTURING

**ELEMENT MANUFACTURES APIS THAT MEET
A RANGE OF PROJECT REQUIREMENTS**

We meet your API manufacturing needs from flexible, personal, and cost-effective services (kilo lab) to clinical trials and small-scale commercial active pharmaceutical ingredients (APIs).

SEAMLESS, INTEGRATED PLATFORM

You'll benefit from a single partner throughout the product lifecycle, starting with the identification of synthetic routes for early-phase API supply, through small-scale commercial API supply. We'll manufacture the API needed for clinical supply - with QA release, as well as regulated starting material (RSM).

OVERCOME CHALLENGES

Solve the most challenging chemical development issues and leverage Element's decades of experience in the industry and proven track record of delivering complex APIs. Our process development and process validation services ensure you're set up for success.

API AND MEDICAL DEVICE COMPONENTS

Manufacturing capabilities for APIs and medical device components include route scouting and raw material sourcing, IND enabling tox batches, and cGMP API synthesis. You can also rely on Element to generate reference materials for analytical needs.

Making tomorrow safer than today



ADVANCE FROM CONCEPT TO CANDIDATE WITH ELEMENT

**ESTABLISH A STRONG FOUNDATION FOR
COMMERCIALY SUCCESSFUL THERAPIES WITH OUR
INTEGRATED DISCOVERY BIOLOGY SERVICES**

Leverage the >600 druggable protein targets included in our portfolio of biochemical assays, including kinases, proteases, phosphatases and many other enzymes regulating cell survival and apoptosis, epigenetic and metabolic circuits and protein homeostasis. Your unique needs are met with flexible assay formats ranging from HTS and high content profiling to sophisticated mechanism of action studies.

EXTENSIVE BIOCHEMICAL ASSAYS

You'll benefit from the largest portfolio of biochemical assays run on microfluidic instruments. With more than 500 available assays, from kinases to proteases to epigenetic targets, you'll receive high quality data and tremendous value for research budgets and drug discovery campaigns.

DEVELOP NEW ASSAYS QUICKLY

Quickly develop new assays - built upon one of the largest proprietary libraries of peptide substrates. Custom assays for complete biochemical characterization are fully validated with highly standardized procedures.

COMPREHENSIVE CELL-BASED ASSAYS

Cell-based assays utilize a large in-house collection of stable cell lines as well as primary cells and whole human blood. Bioassays include intracellular drug-target engagement assays, protein-protein interaction, phospho-protein accumulation, protein degradation assays, and more.

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CUT COSTS AND EXPEDITE TIME TO MARKET

EXPLORE OR SUPPORT A THEORY OF MECHANISM
OF ACTION ON A RECEPTOR OR ENZYME
WITH COMPLETE MEDICINAL CHEMISTRY PROGRAMS
DESIGNED AND CARRIED OUT BY ELEMENT

CUSTOM SYNTHESIS

From solid phase synthesis to synthesis of new analogs and multi-step synthesis for complex targets, we meet your needs.

GET ANSWERS QUICKLY

Get answers to key questions in the discovery process from hit exploration/expansion, hit-to-lead, and lead optimization.

OVERCOME CHALLENGES

Navigate the identification and transformation of drug. Leverage our proven track record overcoming challenging synthetic problems - from production of hundred-member libraries to complex targets requiring long, multistep syntheses.

EXPAND CAPACITY

Quickly get projects moving without investing in chemistry infrastructure - our experts act as an extension of your team. Keep teams on track and strategically extend capacity.

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