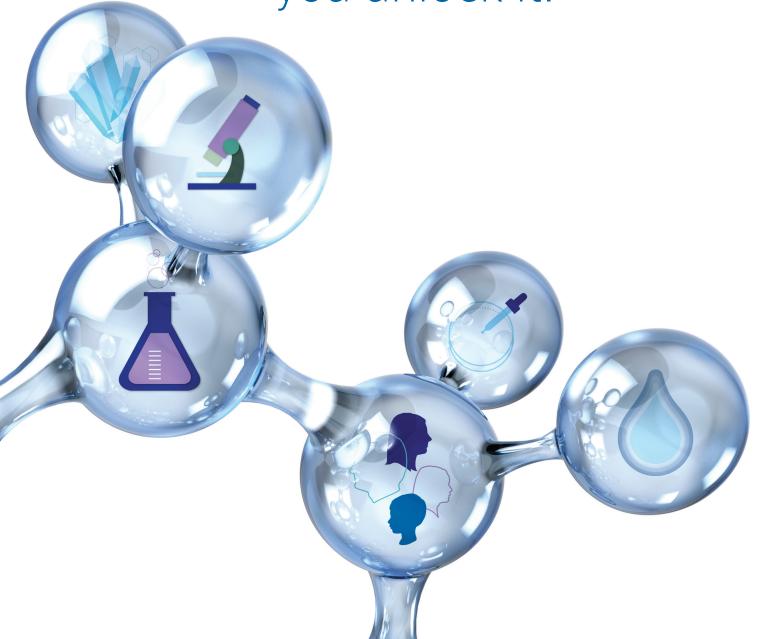








your molecule has so much potential. our passion for early development can help you unlock it.



best technologies. broadest

expertise. faster development.

development, delivery and supply partner, we are the catalyst for your success. We've helped innovators in early phases develop

Catalyst + Talent. Our name combines these ideas. As the world's #1 drug

thousands of molecules. We have the broadest toolkit of superior technologies to **overcome** all your molecule's challenges, including:

- Stability
- Bioavailability
- Solubility
- Processing difficulties
- Permeability Optimal dose form design

We integrate our deep scientific expertise and datadriven approach, supported with robust analytical testing services, to bring you **OptiForm**[®] **Solution Suite**, a parallel screening platform designed to rapidly and efficiently optimize bioavailability and formulation pathway.

Your molecule has so much potential. We share your passion to optimize it.

COMPREHENSIVE EARLY PHASE DEVELOPMENT EXPERTISE FOR YOUR ORAL, STERILE, AND INHALED DOSE FORMS.

PRE-CLINICAL

PHASE I

PHASE II

BEYOND



PRE-FORMULATION

Studies needed to elucidate drug substance candidates with optimal physicochemical properties combined with extensive analytical support



API OPTIMIZATION

Unique technologies designed to improve small and large molecule API prior to formulation, improving stability, processing challenges, and therapeutic profiles.

OPTIFORM® API SALT SELECTION **GPEX® CELL LINE ENGINEERING**



BIOAVAILABILITY ENHANCEMENT

The most effective tools to unlock the potential of your molecule. CATALENT MICRON TECHNOLOGIES

IN RP SCHERER SOFTGEL

PARTICLE SIZE REDUCTION PHARMATEK® SD SPRAY DRYING

OPTIMELT® HOT MELT EXTRUSION LIPID-BASED DRUG DELIVERY

OPTIFORM® SOLUTION SUITE



FORMULATION

We help overcome the most complex bioavailability, solubility, and permeability challenges with a full range of formulation services:

PRECLINICAL EFFICACY AND GLP TOXICOLOGY

PROTOTYPE FORMULATION SCREENING STUDIES

"FIRST IN MAN" STUDIES FORMULATION/PROCESS

OPTIMIZATION



SMALL & LARGE MOLECULE ANALYTICS

Small Molecule

ANALYTICAL & STABILITY AT ALL PHASES

STANDALONE OR **INTEGRATED SERVICES**

RAPID ANALYSIS

Large Molecule

DEVELOPMENT/OPTIMIZATION

PHASE-SPECIFIC VALIDATION

BIOPHYSICAL ANALYSIS CELL BASED BIOASSAY

RELEASE/STABILITY/IN-PROCESS **TESTING GLP SUPPORT**



OPTIMAL DOSE FORM DESIGN

With our wide array of proven and innovative drug delivery technologies, we create tailored solutions to drive faster development timelines and help you meet your target product profile.

RP SCHERER SOFTGEL

OPTISHELL™

OPTIGEL™ BIO

ZYDIS® FAST DISSOLVE

OPTIPACT™ ROLLER COMPACTION

FLUID-BED PROCESSING

FLEXDOSE** SOLUTIONS STICK-PACK

OPTIDOSE CR™ TARGETED RELEASE

COMPLEX & CONTROLLED RELEASE

ADVASEPT®/ BLOW-FILL-SEAL

SMARTAG® ADC PMDIS/DPIS

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With full-scale clinical trial support and an extensive global manufacturing network, Catalent is your one partner

CLINICAL TRIAL SUPPORT

CLINICAL MATERIAL MANUFACTURING

MANUFACTURING

OVERENCAPSULATION & BLINDING

COMPARATOR SOURCING

FASTCHAIN™ DEMAND-LED SUPPLY

COLD CHAIN & SPECIAL HANDLING SUPPORT

50 GLOBAL DEPOTS

PHASE I - PHASE III CLINICAL TRIAL MATERIALS SUPPORT

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SCALE-UP/TECHNOLOGY TRANSFER

COMMERCIAL MANUFACTURING TECHNICAL SUPPORT

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OPTIFORM® SOLUTION SUITE

Solve complex bioavailability challenges for early phase molecules rapidly and efficiently with this accelerated, data-driven parallel screening and development platform, backed by world-class scientific expertise. Match the best technologies to your molecule and get the answers you need in 12 weeks!



OPTIFORM® SOLUTION SUITE BIO

including OptiGel™ Bio and Zydis® Bio in a parallel screening model that assesses the oral delivery potential of your peptide or small protein. Receive *in vivo* study material to assess the oral delivery potential of your macromolecule in as little as **3 weeks!**





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DEVELOPMENT



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