



Nitto

Avecia  
Pharma Services

We're dedicated to advancing your analytical development needs with a wide range of cutting-edge testing services.

# STRUCTURAL CHEMISTRY

With over 10 years' industry experience per structural scientist, Nitto Avecia Pharma Services' strategic, systematic approach provides high-quality solutions for identification, characterization, and development of highly-sensitive methodologies.

## INDUSTRY-LEADING STRUCTURAL CHEMISTRY SERVICES

- Extractables/leachables studies
- Reference standard/drug substance characterization
- Structural elucidation of target/lead compounds
- Elemental analysis
- Structural elucidation of unknowns
- Purification of impurities and degradation products
- Amino acid analysis
- Peptide mapping
- Glycan analysis
- Enantiomeric studies
- Residual analysis in support of biotechnology-derived products
- Residual solvent screening by GC/MS
- Melamine analysis by GC/MS and LC/MS
- Structural characterization of protein variants and isoforms

## LEADING EDGE INSTRUMENTATION

- LC/MS/MS: quadrupole, triple quadrupole of mass spectrometers with APCI and ESI
- LC/MS-QTOF
- GC/MS (EI and CI ionization)
- UPLC-MS/MS
- GC (multiple detectors)
- HPLC (multiple detectors)
- ICP-MA
- ICP-OES
- Flame AA
- GFAA
- IC
- FTIR
- DSC/TGA
- TOC



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## THE TRUE PARTNERSHIP DIFFERENCE

We make your goals achievable through a dedicated approach. Every project is led by a **single point of contact**, ensuring seamless communication, strategic planning, consistent reporting, and high-quality data from start to finish.



**Partner with Nitto Avecia Pharma Services for reliable, high-quality analytical chemistry support across all stages of drug development.** Since 1988, we have built a strong reputation for delivering flexible outsourcing solutions tailored to your development priorities.

## OUR CORE CAPABILITIES

### COMPREHENSIVE COMPENDIAL TESTING

Cost-effective analysis (USP/NF, EP, BP, ACS, and custom monographs) for raw materials, in-process samples, and finished products.

### STABILITY PROGRAM MANAGEMENT

Let us help with the logistics for your stability programs, including storage in a wide range of ICH-listed conditions.

### BROAD EXPERTISE

Drug substances, drug products, diverse dosage forms, and vendor qualification.

### EXTRACTABLES & LEACHABLES

Broad expertise in PVC blister packs, injectables, medical device, IV bags, and single-use systems.

### DEDICATED PROJECT MANAGEMENT TEAM

A single, dependable point of contact who guides and runs meetings, generates agendas and minutes, provides high-quality data and metrics, and conducts detailed post-project follow-up.

### MICROBIOLOGY

Comprehensive cGMP microbiological testing for sterility, endotoxins, bioburden, and environmental monitoring.

### PACKAGING & DEVICE TESTING

Expert analysis of elastomers, glass, and plastics. We can assist with navigating extractables and leachables.

### BIOPHARMA

Integrated analytical support to enable development and commercialization of complex biologics.