



**ARAL RESEARCH**  
PRIVATE LIMITED

## Contract Research Services

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## Our Services

1

### Custom Research Synthesis

Flexible FTE and FFS collaboration plans tailored to your specific needs, ensuring cost-effective solutions without compromising quality

2

### Intermediate, KSM, Catalyst & Reagent

Providing premium quality through tailored solutions in Intermediates, KSMs, Catalysts, and Reagents, precisely aligned with your project needs.

3

### Process Development & non-GMP scale up

With extensive expertise, our R&D team is equipped to deliver from multi-gram to kilogram quantities for your active projects.

4

### Custom Purification & Analytical Services

Offers a complete package for purification and analytical support in pharmaceutical and novel NCEs, including structural confirmation and structural elucidation report.

#### FTE Module

Our FTE Module offers flexible plans designed to fit your budget perfectly while allowing you to adjust priorities based on biological outcomes. We ensure project performance is continuously monitored through detailed charts, providing insights into efforts relative to outcomes. Quarterly project assessments and feedback collection further enhance support and convenience, guaranteeing the best possible experience for your project. Additionally, our extensive monomer library enables comprehensive screening to help achieve meaningful results. Each collaboration benefits from a designated project leader who provides focused guidance, mentoring, and regular updates through weekly or bi-weekly meetings and teleconferences. To ensure seamless project execution, we offer 24/7 support from our Project, ADL, IT, and SCM/Logistics teams, ensuring prompt assistance and rapid turnaround times.

#### FFS Module

Flexible project structures tailored to client needs, offering full-service support. Expert teams in chemistry, ADL, and project management collaborate to deliver high-quality results, maintain timelines, and provide clients with regular updates and detailed reports for milestone-based tracking.



### **Expertise in Custom Chemistry Solutions for a Broad Range of Applications**

We offer expert custom chemistry solutions across diverse industries, specializing in the synthesis of carbohydrates, nucleosides, nucleotides, peptides specialty chemicals, and drug intermediates. Our capabilities extend to polymer chemistry, natural product derivatives, and green chemistry for sustainable solutions. With advanced analytical and characterization services, we ensure high-quality, tailored compounds for pharmaceuticals, biotechnology, and materials science. Our team is committed to innovation, sustainability, and regulatory compliance, providing clients with effective and scalable chemical solutions.

### **Analytical Capabilities**

Highly skilled in purification techniques for both chiral and achiral compounds. Equipped with state-of-the-art instruments, DAC column for separations from milligram to kilogram scales, as well as semi-preparative HPLCs with diverse detectors and columns. Characterization expertise includes 400MHz Bruker NMR, LC-MS, along with additional techniques such as DSC, TGA, and ICP-MS.

### **Infrastructure & Delivery**

Partnering with global industries to develop scalable, efficient, and cost-effective chemical synthesis processes. We specialize in delivering bespoke chemical solutions across various scales, from small batch to large-scale production, supported by our state-of-the-art facilities for customized chemical synthesis. Our expertise spans a wide range of applications, ensuring high-quality, reliable, and innovative solutions for clients in research, development, and manufacturing.

### **Experienced Team**

A team of highly experienced chemists specializing in screening, lab-scale development, pilot production, and large-scale manufacturing. Demonstrated success in solving complex technical challenges for leading pharma and biotech firms. Expertise in protection and deprotection strategies, coupling reagent selection, and resolving epimerization issues. Utilizing DoE (Design of Experiments) methodologies to accelerate process development while integrating green chemistry principles for sustainable innovation.



## Analytical Expertise



LCMS

NMR  
spectrometer

HPLC

MASS  
spectrometer

GCMS

**Targeted Purification:** Our prep HPLC systems are capable of handling a wide range of sample crude, allowing us to isolate and recover high-purity compounds in a cost effective manner with precision and efficiency.

**Method Development:** We employ advanced chromatographic methods and optimization techniques to develop customized purification protocols tailored to your specific requirements. Our expert team of scientists leverage their extensive experience and knowledge to achieve optimal separation and purification of target compounds.

**Large Scale purification Capabilities:** Our prep HPLC systems are equipped with columns specifically designed for large-scale purification(DAC column), from milligrams to grams, making them suitable for both small-scale research projects and large-scale production applications. Whether you require analytical purification or preparative scale-up, we have the capabilities to meet your needs.





### **Dedicated Project Leader (non-chargeable)**

A dedicated, non-chargeable Project Leader is assigned to every collaboration to drive focused execution and deliver meaningful outcomes.



### **Quarterly Project Feed-back**

For FTE programs, we gather quarterly project feedback through dedicated calls, transforming this input into an action plan that directs our efforts to maximize impact on the collaboration.

## **Our Defining Differentiators!!!**



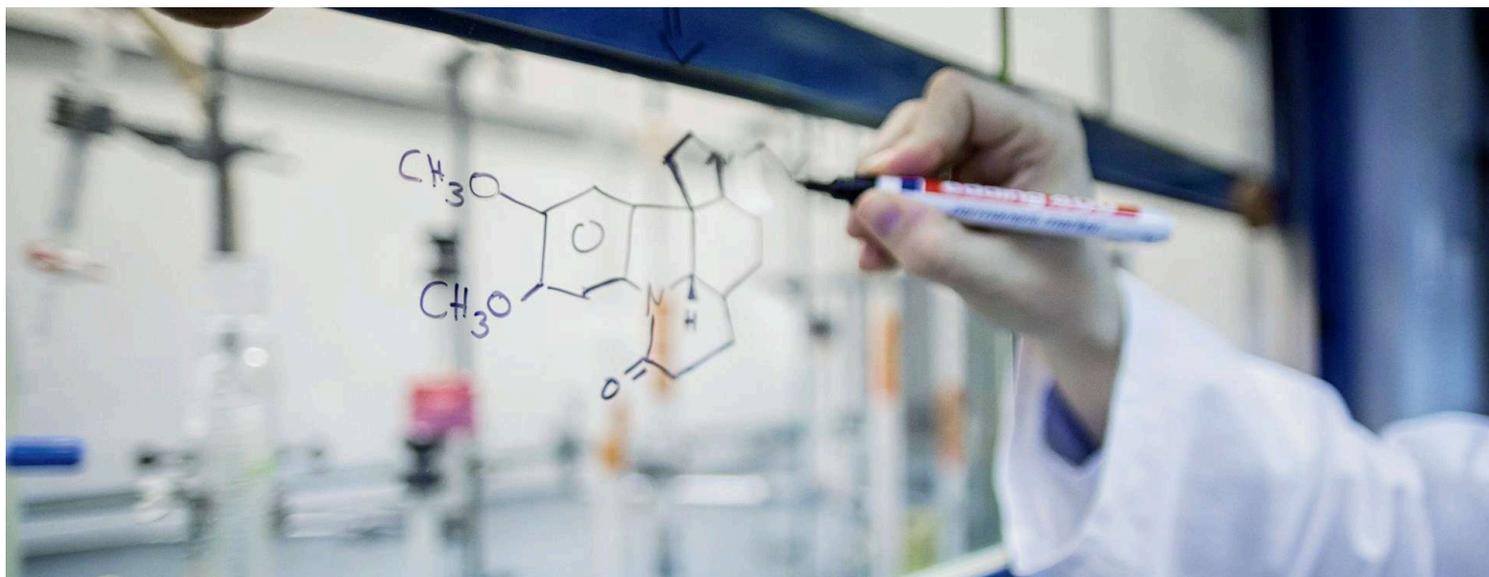
### **Catalyst Kits Quick Troubleshooting**

Our team is equipped with advanced catalyst kits like Buchwald, Suzuki, Ullmann, and Chan-Lam couplings, which enable faster screening and troubleshooting for prompt project delivery.



### **Dedicated Project Lab (>8 FTEs collaboration)**

For projects with more than 8 FTEs, we offer a spacious, secure Project Lab to enhance IP protection.



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This detailed overview underscores our commitment to excellence in synthesis and analysis, supported by state-of-the-art instrumentation and a team of highly skilled scientists. We are dedicated to delivering superior quality compounds and analytical services to meet the diverse needs of our clients in the chemical research industry ensuring the confidentiality of your project affairs.

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