



ABOUT PHARMAGRA

PharmAgra Labs wants to be an integral component of your Research and Development Team. We can rapidly synthesize custom organic compounds to accelerate your R&D and Clinical Development Programs, as we have for our clients in the pharmaceutical, biotechnology and other industries.

PharmAgra Labs provides a full array of API Services from medicinal chemistry support through process development/ scale-up, supply of Clinical Trial Materials, and low volume API production. We have extensive experience with the scale-up of medicinal chemistry routes to efficiently produce kilogram quantities in our laboratories.

You can be confident that PharmAgra Labs will resolve your synthesis problems and stay in step with your evolving R&D/ Clinical objectives. Please contact us to learn how PharmAgra Labs can accelerate your Research and Development programs.



158 McLean Road
Brevard, NC 28712
ph. 828.884.8656
fax. 828.884.9469

www.pharmagra.com
marketing@pharmagra.com

PharmAgra Floor Plan
total Area = 11,400 sq. ft.





PharmAgra
LABS

SERVICES & CAPABILITIES

FACILITY

Custom Synthesis/Process Development

- Synthetic route design, process development and scale-up
- Milligram to kilogram multi-step synthesis
- Preparation of final targets, focused libraries, intermediates, metabolites and reference agents

cGMP Services/API Production

- mg to kg lots for clinical studies and commercial production
- Process validation
- IND / NDA / ANDA support documentation
- Analytical methods development and validation
- Impurities identification and synthesis
- Reference standard preparation, characterization and documentation
- API stability studies according to ICH guidelines

Analytical Chemistry Services

- Analysis and interpretation using HPLC, GC, LC/MS, NMR(¹H, ¹³C, ¹⁹F, ³¹P), FT-IR, etc.
- Product release testing

Manufacturing

- Production using client-provided or PharmAgra-developed processes
- In-house production, mg to kg scale for cGMP and non-cGMP products

Flexible Contractual Relationships

Fixed Bid, Time and Materials, Full-Time Equivalents (FTE) and Joint Ventures

Controlled Substance Permits

Complete Confidentiality

Full Regulatory Compliance

US-Based Company

Company Owned Site

- 11,400 ft² building on 3.5 acres

Research Lab

- 16 bench hoods and 3 walk-in hoods

Kilo Lab

- 12-foot walk-in hood and 10' x 18' reactor booth
- Reactors and work-up stations to 72L
- 10L and 20L rotary evaporators
- Parr pressure reactor 19L/2,000 psi
- Ozone generator
- (2) 12L spinning band stills (30 theoretical plates)
- Prep MPLC systems (up to 24L silica)
- Wiped-Film Evaporator (0.04-5 kg/hr)
- Centrifuge (SS, 14", 7L, 2500G)

cGMP Lab

- All air HEPA filtered
- Class 100,000 laboratory & access/egress rooms
- Class 10,000 packaging room
- 4 bench hoods, 1 walk-in
- 2 gowning rooms
- Raw materials staging/glassware washing room

Analytical Lab

- NMR, 400 MHz (¹H, ¹³C, ¹⁹F, ³¹P) • LC/MS (APCi, ESI)
- GCs (FID) • LCs (UV, RI, DAD) • FT-IR • Karl Fisher

