CUSTOM SYNTHESIS OF FINE & RARE CHEMICALS

Serving medical device, biopharma, electronics and technology sectors

FDA Registered Facility // cGMP Capability // ISO 13485 Quality Management System





Polysciences has been a manufacturer of specialty chemicals for more than 60 years, beginning with stains and resins for biological electron microscopy, and continuing through our current industry leadership in the synthesis of fine chemicals for medical device, biopharma, electronics and technology sectors. Our work supports a range of applications, such as biocompatible polymers and polymer precursors for medical devices, bioresorbable polymers for drug elution systems, highend specialty industrials, energetic additives, and rare and hard-to-find chemicals.

Through our Custom Synthesis services, customers are able to leverage Polysciences' scientific and technical expertise, state-ofthe-art facilities and in-house analytical capabilities. Our chemical and engineering experience comprise an array of chemistries and polymerizations, and complementary purification, processing and characterization technologies. We offer a highly adaptable, iterative and collaborative CDMO experience—we will work with you to design, replicate or refine formulations, optimize analytical methods and develop scalable production processes.

Polysciences' primary campus in Warrington, PA is home to dedicated R&D suites and a GMP-capable production environment designed to support projects from development through successful scale-up, validation and commercialization. We maintain FDA facility registration and ISO 13485:2016 Quality Management System certification, and are prepared to support your quality and regulatory requirements.

Polysciences has the expertise in organic chemistry, engineering and chemical characterization to meet your most critical chemistry needs. Whether you require a critical raw material or process development support, we can be your solutions partner of choice. Please contact us to begin the discussion.



For more information please call (800) 523-2575 or visit polysciences.com

ANALYTICAL CAPABILITIES

NMR (300 MHz: ¹H, ¹³C, ¹⁹F, ³¹P) LCMS, HPLC, GCMS FTIR GPC (5) DSC, TGA, TMA Particle Size Analysis Atomic Absorption UV/Visible & Fluorescence Viscosity

CHEMISTRIES

Acrylates
Amines
Anhydrides
Imides
Glycolides

POLYMERIZATIONS

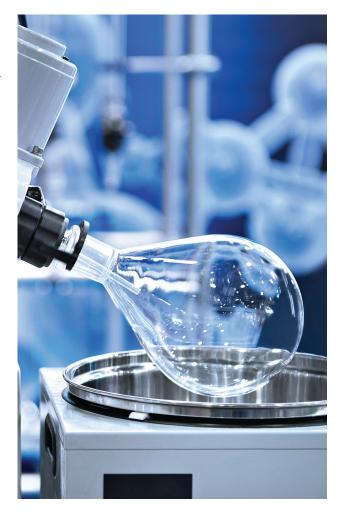
Addition Condensation Free Radical Ring Opening Pressure Polymers (ethylene copolymers)

PURIFICATION TECHNIQUES

Distillation Vacuum Drying Lyophilization Tangential Flow Filtration (TFF) Recrystallization

REACTION CAPABILITIES

Alkylation Amidation Bromination Chiral Synthesis Condensation Dehydrohalogenation Diazotization Esterification Hydrogenation Nitration Oxidation Organometallic Phosgenation Phosphonation Polymerization Quaternization **Reductive Amination** Sulfonation



U.S. CORPORATE HEADQUARTERS

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