

Pilot Plant

Accela chembio was founded in 2007 and based in San Diego and Shanghai which is a leading chemical supplier and provides CRO and CDMO service. As a global pharmaceutical solution company, Accela Chembio has 3 R&D centers in Shanghai and JiNan, as well as 1 pilot plant base of 53,333m² in JiangXi, with more than 400 total employees.

Facility

Phase	Facility	Specification	Texture	QYT	Condition	Use	Capacity
I	Reactors	200~5000L	Glass lining	43	-15~140°C	Multi-functional workshops	100 Tons / year
		500~1000L	Stainless steel	2	30~300°C		
		1000~2000L	Stainless steel	3	-80~30°C		
		500~1000L	Hastelloy alloy	2	-15~140°C		
		200~2000L	Stainless steel	6	-15~140°C 10Mpa		
II (Plan)	The number of reactors: 180	Specification: 100~6300L	Texture: Enamel and Stainless steel				
	Temperature range: -20~300°C	Pressure: 0~10MPa	Designed capacity: 200 Tons a year				

Feature Reactions

- Fluorination
- Enzymatic synthesis
- Nitration
- Lithium reagents reaction
- Diazotization
- Grignard reagents reaction
- High Pressure reaction
- Low temperature reaction (-80°C)
- High temperature reaction (300°C)

QA & QC

- Comply with ISO9001 (certified by TÜV)
- Refer to ICH Q7 and cGMP Guidelines

Instruments	Quantity	Instruments	Quantity	Instruments	Quantity
400 MHz NMR	2	GC	10	TGA	1
FT-IR	1	GC-MS	3	Melting Point Apparatus	6
UPLC	3	LC-MS	3	Polarimeter	4
HPLC	24	DSC	1	Titrator	7

Research & Development

Our Services



- Key Intermediates, Building Blocks, Fine Chemicals, Electronic Chemicals
- Process Development & Optimization
- KG to MT Scale Production
- GMP KG laboratory comply with FDA system

CDMO

- Custom Synthesis
- FTE Service
- Lead Compounds Discovery & Optimization
- Process Optimization
- Internal Synthetic Reports

CRO



200+ R&D team, 17+ years experience

IP protection, R&D comply with EHS

Internal project planning and execution, submitting weekly reports

Identification of impurity

Route feasibility, route design and process optimization services

Kilo laboratory, scale up to tons

Accelerate Your Discovery!

IP Protection

We understand the importance of IP protection for our customers, that's why we live by World standard in this area to ensure that our customers' expertise remains their own exclusive property throughout.

- Regularly train employees about IP protection
- Signed Confidentiality Agreements with every employee
- In-house safeguard of electronic security information
- Project details are shared on a need to know basis only
- Notebook, SOPs and others are locked in archived room under strict access
- Compliance and audit

Environmental, Health and Safety (EHS)

Safety

- Comply with all local environmental and safety regulations
- R&D center passed government agency audit
- Pilot plant passed government agency audit

Waste Treatment

- Developing green chemistry technologies for cleaner and safer production
- Source control
- Production Monitoring
- To supervise and control any possible risk by EHS dedicated personnel
- Regularly training internally and by local government designated agencies

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