

Advancing ADCs

Comprehensive Solutions from Development to Commercialization

Sai Life Sciences offers end-to-end services for Antibody-Drug Conjugate (ADC) development and manufacturing, encompassing linkers and payloads. Our expertise spans the entire molecular lifecycle, from early development to commercial scale, with a focus on high-potency handling and innovative solutions.

Key Expertise Areas

- Attachment Site Optimization
- Linker Design & Synthesis
- Cytotoxic Payload Development & Manufacturing

Sai specializes in payloads, with High Potency Labs and High Potency Block, and extensive expertise in handling such chemistry

HPAPI Manufacturing in Bidar: 16,000 sq. ft. block designed and validated to handle high potent molecules less than 0.1 $\mu\text{g}/\text{m}^3$

High Potency Capabilities

- OEL 4 & OEL 5 (0.1 $\mu\text{g}/\text{m}^3$) handling in dedicated labs (Hyderabad & Bidar)
- HPAPI handling and development

HPAPI, Linkers and Lipid Capabilities

HPAPI & Payloads

- Dedicated HPAPI lab in Hyderabad:
 - Containment to $< 1 \mu\text{g}/\text{m}^3$
 - Streamlined workflow: Dispensing, Reaction, Purification, Drying, Packing
 - Advanced safety features: Isolators, fume hoods, HEPA filtration, wet scrubbers
- Payload manufacturing in Bidar:
 - 0.1 $\mu\text{g}/\text{m}^3$ OEL handling
 - Comprehensive capabilities: Storage, isolated sampling, powder processing, flow chemistry, chiral synthesis, advanced chromatography

