

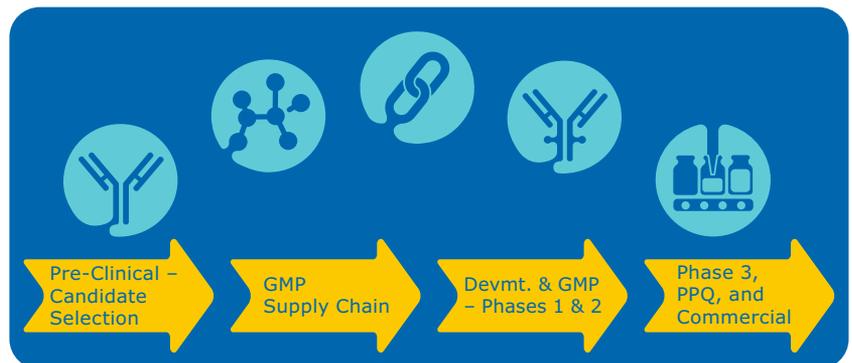


## Comprehensive ADC and Bioconjugation Solutions

We offer extensive contract development and manufacturing (CDMO) services to bring your ADCs and bioconjugates into the clinic and to commercialization. This is accomplished through collaborative services integrated with a reliable supply chain for the development, manufacturing, and testing of bulk drug substance (BDS) and drug product (DP).

- Linker, payload, conjugation development, and manufacturing services
- Technology transfer, analytical method development, and validation
- Release testing and stability studies for BDS and DP
- Regulatory support for seamless scale-up (IND, PPQ, BLA/NDA)
- Innovative technologies to advance your drug discovery and development

### Broad service offering from preclinical to commercial



### ADC and Bioconjugation Development and Manufacturing

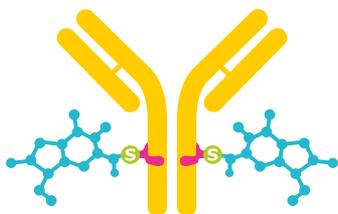
With over 15 years of industry-leading experience in conjugation and purpose-built manufacturing facilities, we have the expertise needed to develop and manufacture your bioconjugate or ADC.

This includes +100 constructs, +1500 development batches, +80 INDs and +300 GMP batches (+30 for commercial use).

- FDA/EMA inspected facility in St. Louis (MO), US, with Grade C classified clean room environment

- Extensive analytical capabilities for characterization, including mass spectrometry and cell-based assays
- Ability to manufacture batches up to 10 kg either with multi-use or single-use equipment
- Pilot Scale Manufacturing area under Grade D classification
- Segregated areas for potent and non-potent handling
- Ongoing expansion investment to meet growing demand

## Vast bioconjugation experience with diverse components: novel antibody formats, solubilizers, linkers, and both cytotoxic and non-traditional payload classes



### Antibody

- Humanized IgG
- Site specific engineering
- Bispecific mAbs
- fAb

### Solubilizer

- ChetoSensar™ Technology
- PEGs
- Polymers

### Linker

#### Cleavable

- Enzymatic (protease)
- Acid Labile (hydrazone)

#### Non-Cleavable

- PEG/Cyclohexyl  
Hindered Disulfide

### Payload

#### Cytotoxic

- Maytansines
- Auristatins
- Camptothecins
- PBDs
- Tubulysins
- Calicheamicin
- SN-38

#### Non-traditional

- Oligos
- Metal chelators
- Antibiotics
- Polymers
- Biomolecules
- Dyes

## Integrated Supply and Technology Solutions

### ADCore Payload Intermediates

We have developed advanced precursors to synthesize common payloads faster and with less risk.

- Includes MAYCore™, DOLCore™, and PBDCore™ advanced intermediates
- Enables rapid synthesis of maytansine, dolastatin-10, and PBD payloads
- Suitable for up to phase I clinical studies with process, validation to support path to commercial approval
- Free samples available

### Monodisperse Activated PEGs for ADC Conjugation

With decades of PEG synthesis expertise, our technical teams tailor our approach to meet your unique needs, everything from monodisperse to polydisperse, linear to branched, and all varieties of functionalization.

## Integrated Services

### ADC Express™ Services

Preclinical conjugation services for lead candidate selection.

- Mini-prep scale: 10–20 mg ADC construct ± column purification
- Medium-prep scale: up to 100 mg ADC ± column purification
- Certificate of testing with key quality attributes

### Payload and Linker CDMO services

With +35 years of experience, we are proficient in the handling of APIs, highly potent APIs (HPAPIs), linkers, and diverse payloads.

- FDA-inspected, premier high potency GMP manufacturing facilities in Madison and Verona (WI), US
- Safebridge®-certified up to Cat. IV
- One of the world's largest single-digit nanogram OEL containment facilities
- DM1 – Mertansine, MMAE and Exatecan off-the-shelf GMP quality payload without royalty payments

### Fill/Finish Capabilities

As a focused and flexible partner, we support you every step of the way, offering also fill/finish capabilities. Internally, and through strategic third-party partnerships. To support your pathway from clinical to commercial, we have formed a 5-year strategic alliance with Simtra Biopharma Solutions for streamlined drug substance and drug product ADC manufacturing services.

For additional information, please visit

[SigmaAldrich.com services/contract-manufacturing/adc-bioconjugation](https://www.sigmaaldrich.com/services/contract-manufacturing/adc-bioconjugation)

To place an order or receive technical assistance, please visit

[SigmaAldrich.com/adc-api-ctdmo-contact](https://www.sigmaaldrich.com/adc-api-ctdmo-contact)

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