

# ADC Linker and Payload Synthesis Capability Platform

- **Reliable:** 10+ years' experience, 580+ experienced chemists, 27,000+ compounds delivered
- **Diverse:** 1000+ linkers, 30+ attachment sites, 30+ novel payloads & analogs
- **Flexible:** milligram to hundred gram scale synthesis, FTE (Full-time Equivalent) or FFS (Fee-for-Service) applied
- **Strong Support:** efficient separation/purification, diverse payload/linker BBs, high potency lab

## Comprehensive & Customizable Linker-Payload Platform

**250+ common payloads**, e.g. CPT, MMAE/F, DMI/4, etc. are available from LabNetwork ([www.LabNetwork.com](http://www.LabNetwork.com))

**75+**  
Camptothecins

**25+**  
Auristatins

**25+**  
Duocarmycins

**15+**  
Maytansinoids

**20+**  
Pyrrolobenzodiazepines

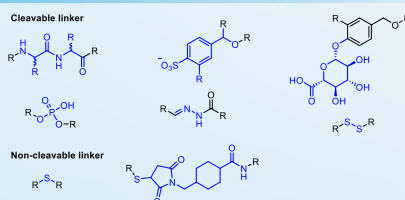
**25+**  
Duocarmycins

### Payloads and BBs

### Well-established modular system

### Linkers and BB

**850+ most frequently used linkers**, e.g. peptide, glucuronide, etc. are available from LabNetwork ([www.LabNetwork.com](http://www.LabNetwork.com))



### Detailed categories

- 185+ payloads
- 50+ popular building blocks

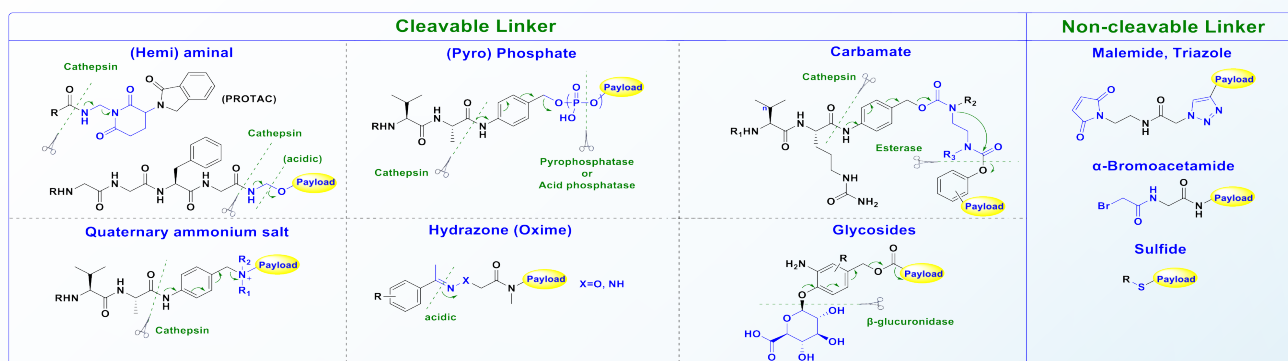
**< 4 hrs** From warehouse to laboratory

- 300+ building blocks
- 90+ peptide linkers and BBs
- 210+ hydrophilic group
- 185+ to antibody attachments
- 260+ to payload attachments

## Rich Experience in Linker and Payload Synthesis

Some fragments are very popular and widely used nowadays

WuXi AppTec has accumulated rich experience in all kinds of linker synthesis



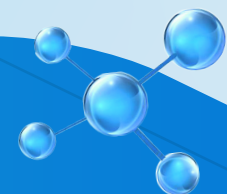
PROTAC refers to Proteolysis Targeting Chimeras



### Contact us

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## Advanced Analytical & Purification Support

### LC-MS/HPLC analysis

- Proficient impurity identification
- Familiar with various linker-payload stability

### Special NMR

- Precise structure validation (2D NMR etc.)

### Prep-HPLC

- Wide experience on challenging separation

### SFC analysis/separation

- Special column, high efficiency
- Self-developed separation methods, high recovery

### Difficulties and solutions

- **Stability issue:** specially developed separation condition; shorten the overall separation process
- **Poor resolution & bad retention behavior:** method development; special-designed packing material
- **Solubility issue:** choose polar solvent to dissolve crude; enhance initial ratio of organic phase
- **Weak UV signal:** couple with ELSD to collect fractions

### Analysis/separation instruments



HPLC with  
CAD/ELSD/MS

NMR  
400/500MHZ

Prep-HPLC-MS  
Prep-SFC-MS

## Safe & Compliant High Potency Handling

### Containment, decontamination & waste disposal



### Personnel protection equipment (PPE)



- Safety goggles
- N95 facemask
- Disposable coveralls suit
- Double gloves
- Shoe covers

- **Isolators:** handle neat compounds, various configurations for different functions
- **Fume hoods:** handle solutions & suspensions only
- **Pass boxes:** transfer of items (Maintaining containment)
- **Mist shower:** decontamination of personnel
- **Waste categorization & disposal**

- **PPE:** mostly disposable; full-body cover
- **Strict protocols:** decontamination & PPE removal
- **Training, supervision:** device operation & material manipulation
- **Access control of facility**
- **Emergency equipment:** eyewash, fire blanket, etc.

Disclaimer: This flyer is solely for discussion and informational purposes. It does not constitute an offer to provide the compounds mentioned. Any order placed will be subject to a thorough IP risk assessment. We will only accept orders for synthesis services if it is determined that no third-party intellectual property rights are infringed.