

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)

75+
Camptothecins

15+
Maytansinoids

25+
Auristatins

20+
Pyrrolobenzodiazepines

25+
Duocarmycins

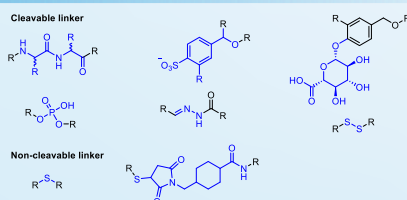
25+
Duocarmycins

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)



Detailed categories

- 185+ payloads
- 50+ popular building blocks

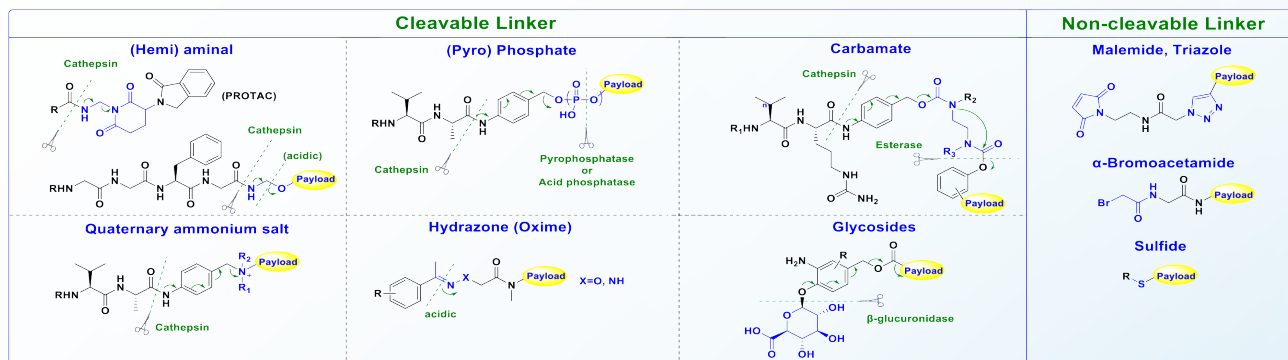
< 4 hrs From warehouse to laboratory

- 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



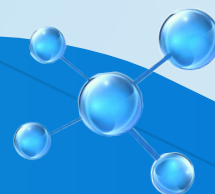
PROTAC refers to Proteolysis Targeting Chimeras



Contact us

 <https://rcs.wuxiapptec.com>

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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

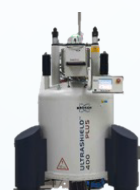
Difficulties and solutions

- **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.