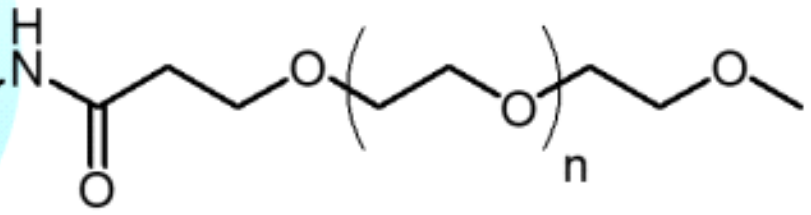
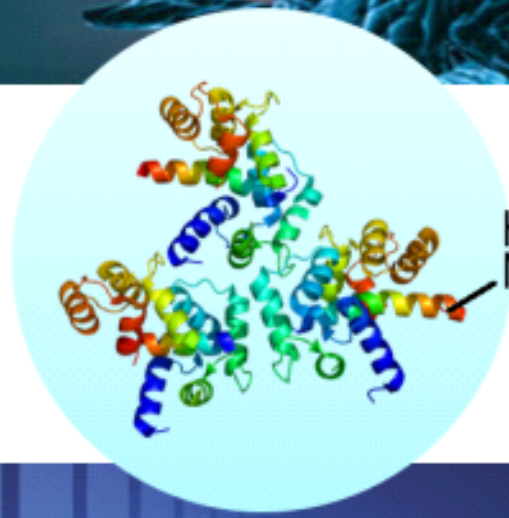
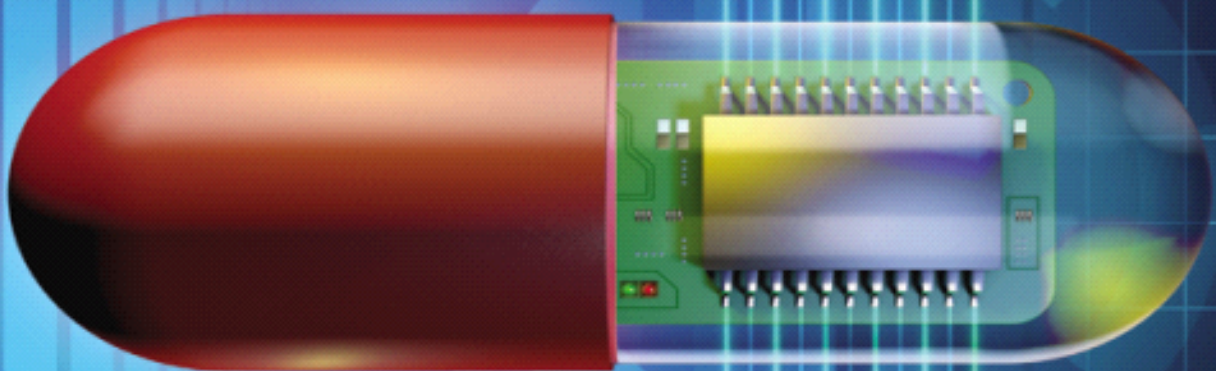


High Quality PEG Derivatives for



Pharmaceutical. Medical devices.DDS



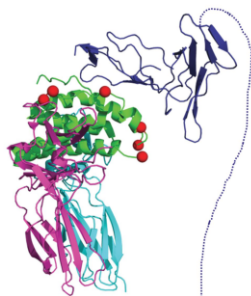
Tel:+86-0731-8225-1112ex815
Email:sales@huatengusa.com

TEL: 1-857-366-6766
Email: sales@biochempeg.com

Pegylation Technology

PEGylation is a recognized delivery system for biologics, such as peptides, proteins, antibody fragment, and oligonucleotide aptamers. Chemical modifications are routinely used to label biologics or to increase their payload with high potential cytotoxic drugs.

PEGylation



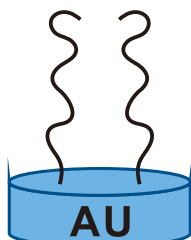
ADC conjugation



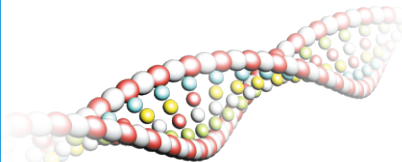
Dye labeling



Surface modification



Oligonucleotides Bioconjugation



Drug Delivery



Customized Service

Biochempeg is committed to innovative, high-quality custom PEGylation tailored to your individual requirements. Our PEGylation and modification services range from the development of customer-specific reagents to the conception and implementation of individual PEGylation. Laboratory facilities equipped to the latest technical standards enable us to provide the entire range of modern bioanalytics, biochemistry and synthetic chemistry.

We would be happy to develop a PEGylation or chemical modification tailored to your drug. Take advantage of our know-how and our technical infrastructure for the optimization of your drug.

Development Services

Biochempeg offers the full range of development services to fulfill drug and regulatory requirements to successfully reach the clinical phase.

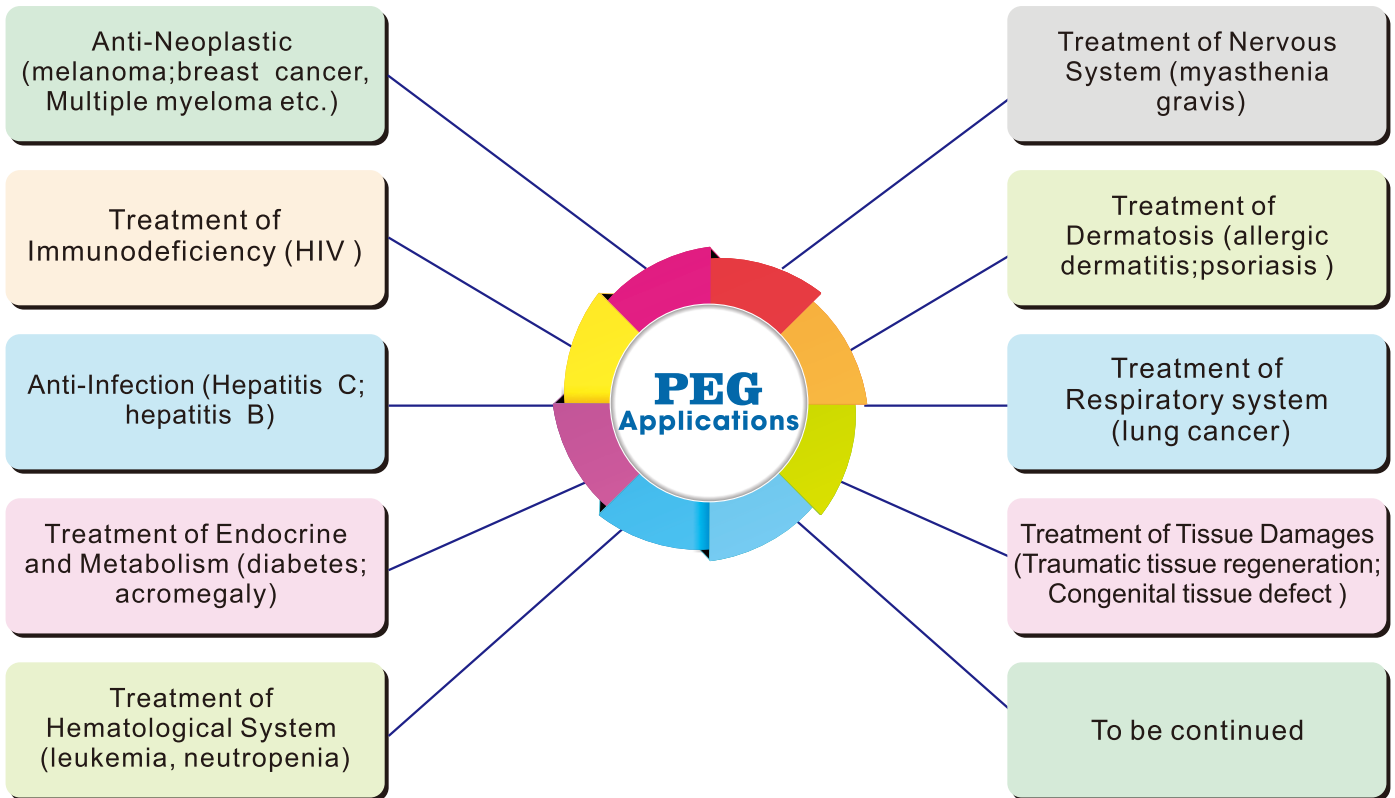
Scope of work

Optimization of reaction conditions

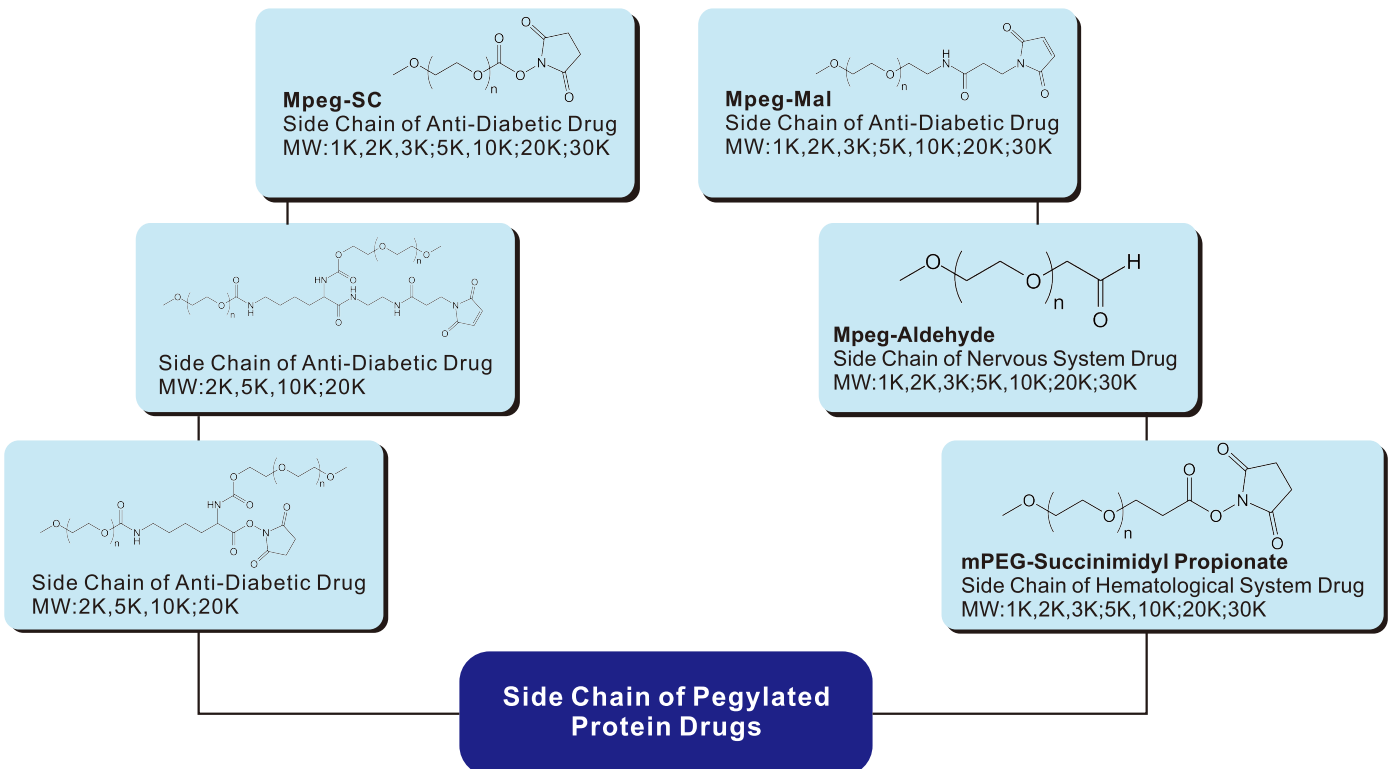
Development of purification methods

Development and validation of analytical methods

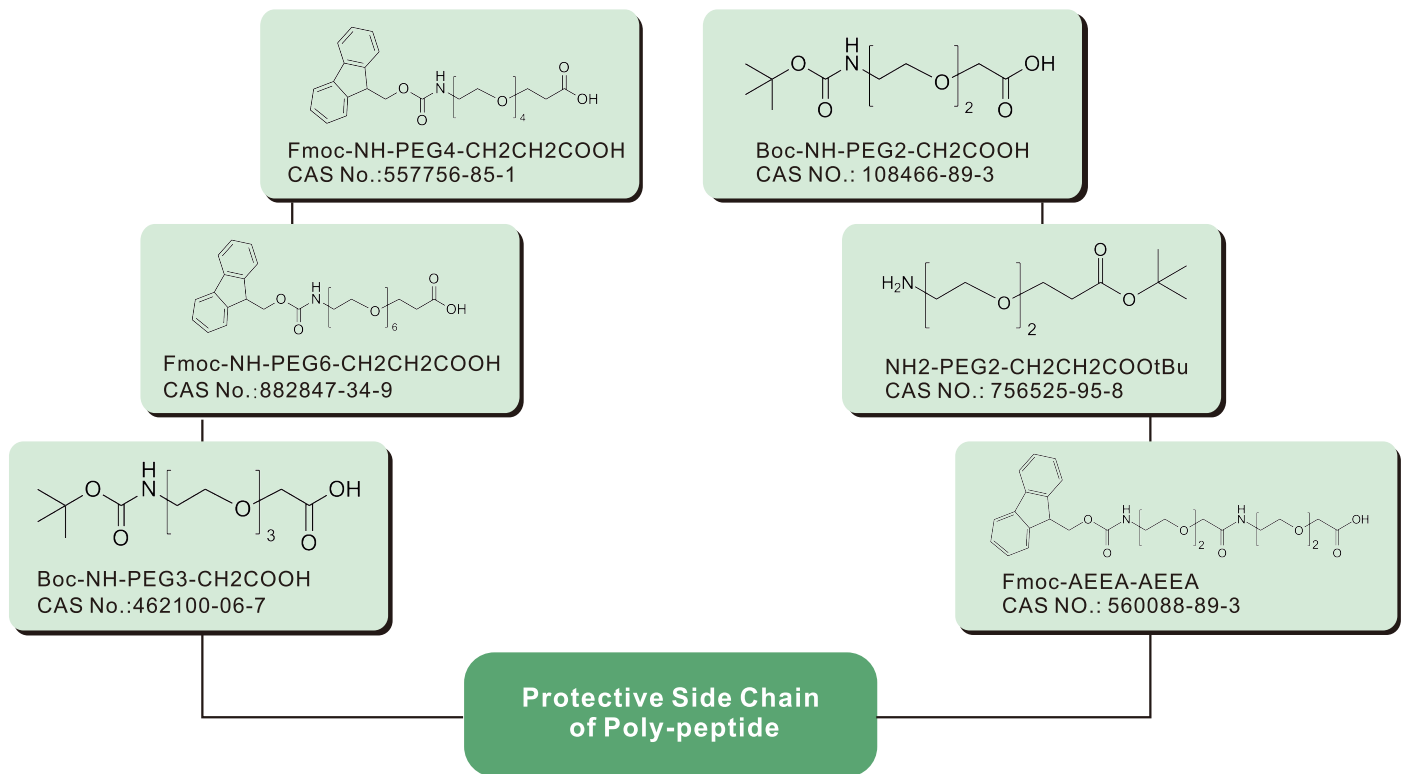
PEG Applications



Side Chain of Pegylated Protein Drugs



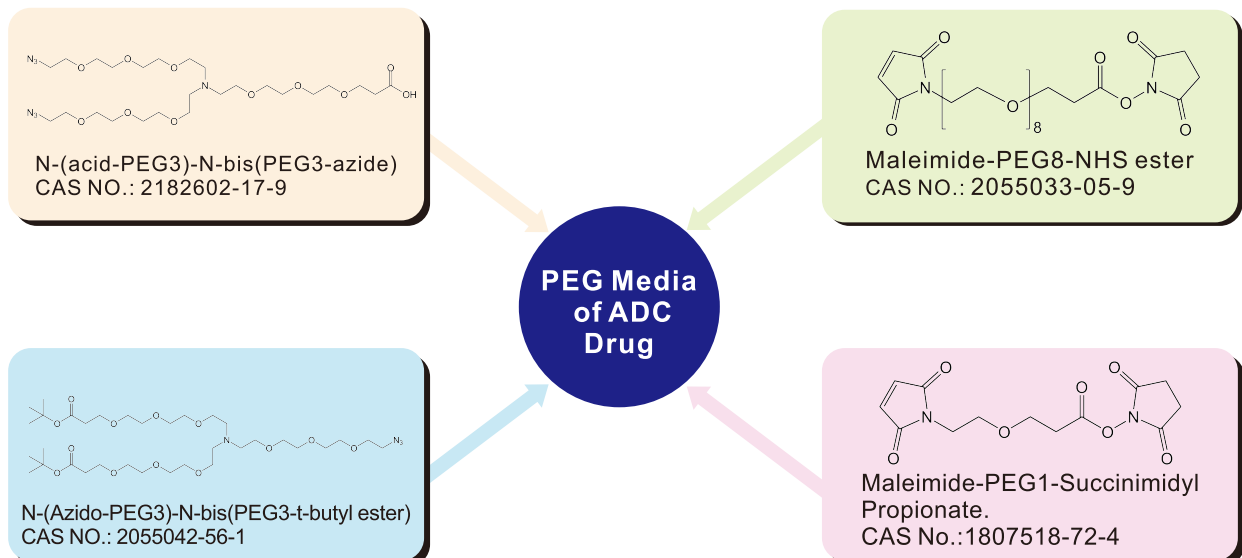
Protective Side Chain of Poly-peptide



PEG Media of ADC drug

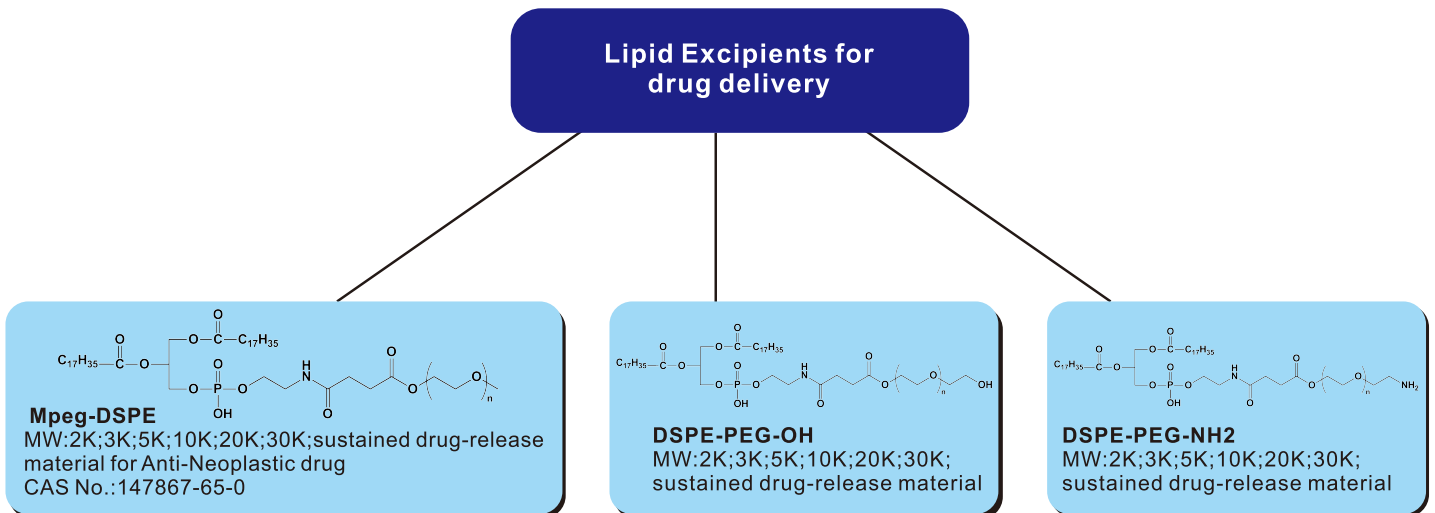
Experts in mammalian manufacturing begin the process by using our proprietary expression systems to produce and purify the antibody of choice. Then mammalian teams work together with chemical experts at our manufacturing plant complete the conjugation.

Advances in coupling antibodies to cytotoxic drugs permit greater control of drug pharmacokinetics and significantly improve delivery to target tissue. Potent new anti-cancer drugs can now be used to target cancers while minimizing exposure of healthy tissue.

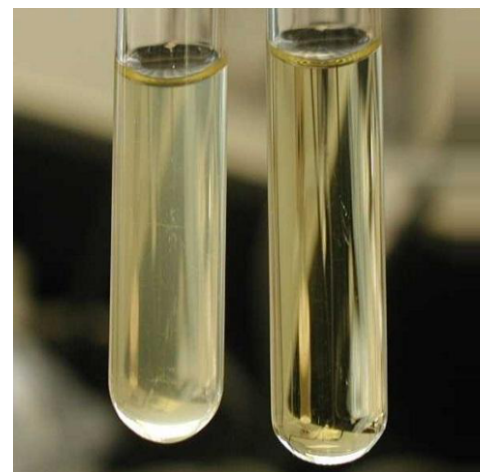
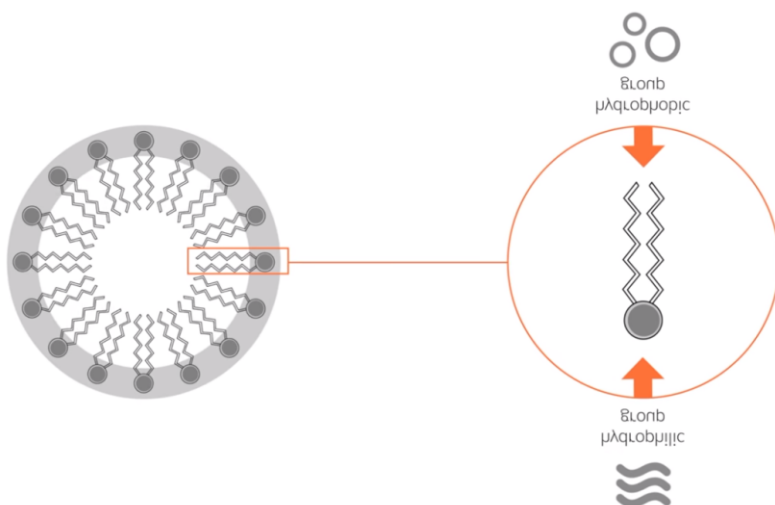


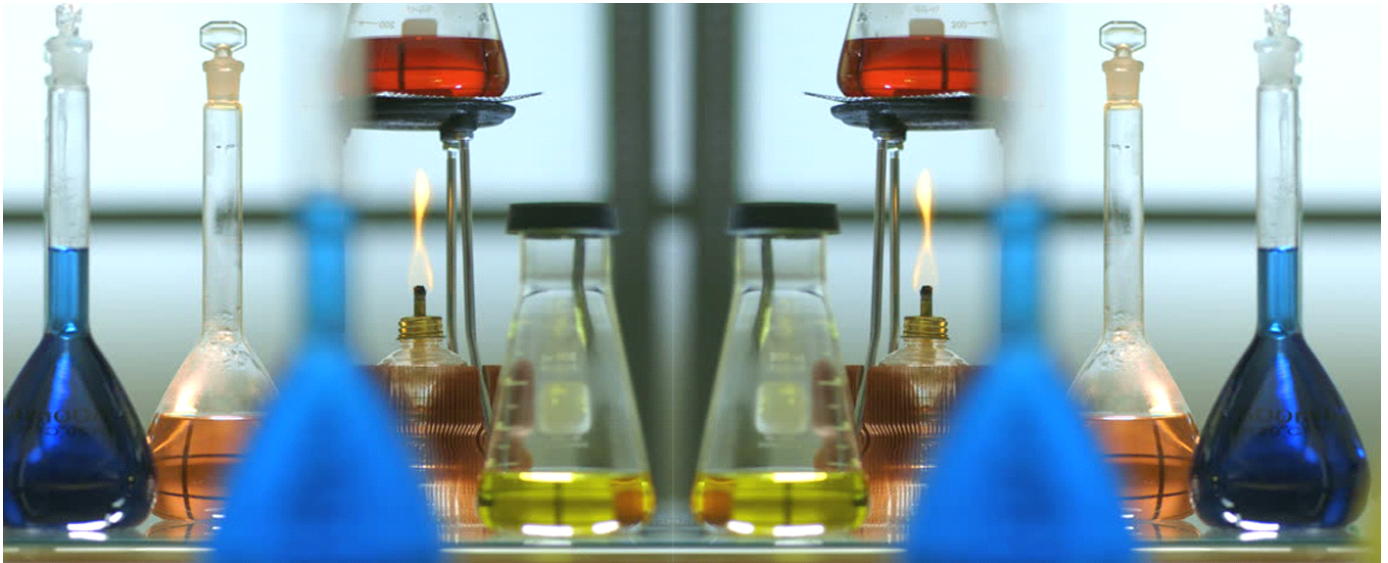
Lipid Excipients for drug delivery

Phospholipid and its derivatives are high valued in pharmaceutical field. It can be used as excipient in medicaments, acts as carrier to enhances the stability. It also has important functions in pharmaceutical, such as increase the solubility, sustained drug-release.



Phospholipid PEG based linker increase solubility of hydrophobic cytotoxic drugs





Cross-linking Reagents

**Polydisperse PEG with
molecular weight from 1-40KDa**

Mal-PEG-NHS

Mal-PEG-NH₂

NH₂-PEG_n-AC

4arm-PEG-SH

8arm-PEG-Mal

NH₂-PEG-NH₂

NH₂-PEG-SH

SH-PEG-SH

....

**Monodispersed PEGs with
PEG units from 1-36**

SH-PEG_n-OH

SH-PEG_n-CH₂CH₂COOH

NH₂-PEG_n-NH₂

Bis-PEG_n-SH

NH₂-PEG_n-CH₂CH₂COOH

NH₂-PEG_n-OH

NH₂-PEG_n-SH

mPEG_n-SH

.....

Click Chemistry Reagents:

Polydisperse PEG with molecular weight from 1-40KDa

4-ArmPEG-DBCO

DBCO-PEG-Mal

DBCO-PEG-NHS

DBCO-PEG-COOH

Alkyne-PEG-IA

FITC-PEG-DBCO

DBCO-PEG-Silane

Alkyne-PEG-COOH

8-ArmPEG-Alkyne

N3-PEG-Mal

N3-PEG-EPO

N3-PEG-NH₂

.....

Monodispersed PEGs with PEG units from 1-36

Propargyl-PEG_n-CH₂CH₂COOH

Propargyl-PEG_n-CH₂CO₂H

Propargyl-PEG_n-NHS ester

Propargyl-PEG_n-t-butyl ester

Propargyl-PEG_n-amine

Propargyl-PEG_n-alcohol

DBCO-PEG_n-acid

DBCO-PEG_n-NHS ester

DBCO-PEG_n-alcohol

DBCO-PEG_n-amine

DBCO-PEG_n-NH-Boc

N3-PEG_n-OH

.....