

Dominant Patent Estate in Early and Advanced Polymer Conjugate Technology and Therapeutics



Technology IP	Chemistry & Delivery IP	Manufacturing IP	Therapeutic Modalities and Molecules
Membrane exclusion	Linker Chemistry	Manufacturing	Small Molecules
Increasing potency through e.g., PEGylation		Process development	Proteins/Peptides/ Antibody Fragments
Metabolism and bioavailability control	Branched/ Multi-arm architecture	Scale-up	Nucleic Acids
Pro-drug/releasable conjugation	Attachment chemistries	Commercially validated manufacturing	
Next Generation PEG and other polymer conjugates	Synthetic approaches	Reagents	
Reducing immunogenicity		Conjugates	

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Small Molecules

Dominant IP position in polymer conjugation of small molecules

Hundreds of small molecules covered includes:

- Oncolytics
- Pain management and analgesics
- Anti-depressants
- Protease inhibitors
- Anti-histamines
- Anti-hypertensives

Proteins/Peptides/ Antibody Fragments

Dominant IP position for polymer conjugation of large molecules

Hundreds of proteins, peptides, and other large molecules covered:

- Cerezyme
- Biphalin
- Lysostaphin
- GLP-1
- GLP-2
- GM-CSF

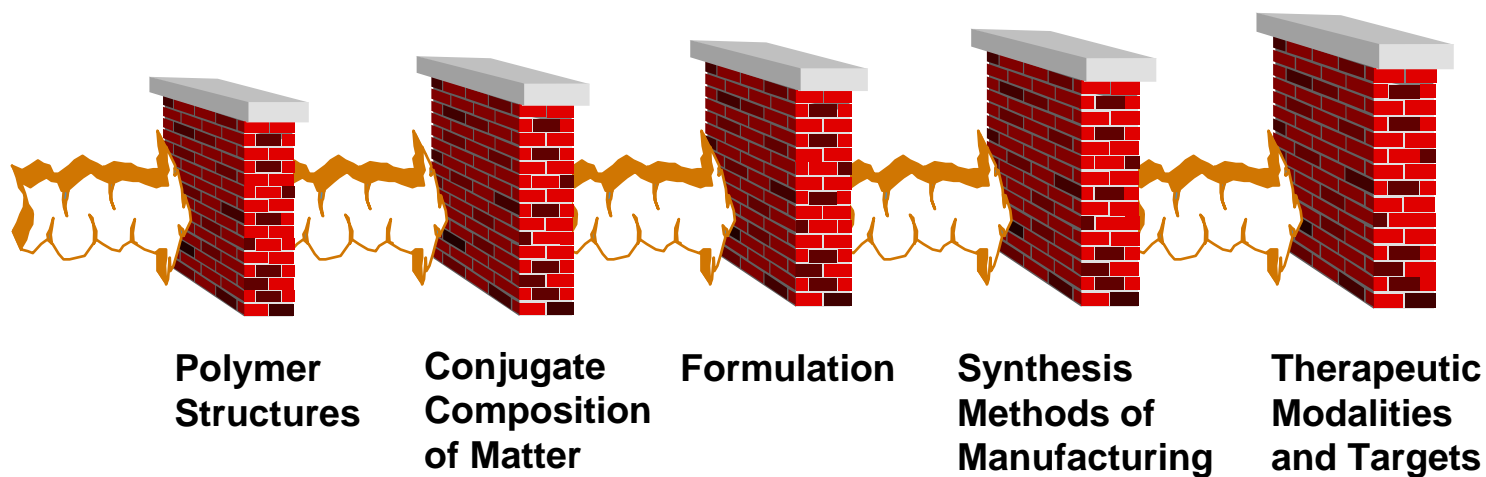
Nucleic Acids

Polymer conjugate-based delivery of nucleic acids

Coverage includes:

- siRNAs
- dsRNA
- microRNAs
- shRNAs

Nektar IP Covers Every Aspect of Polymer Conjugate-Based Drug Discovery and Development



60 Issued U.S. patents and 500 applications pending