

CONTROLLED DRUG DELIVERY

Absorbable polymers from functionalized drugs



Imagine an absorbable polymer where drug molecule is a part of the polymer backbone, which upon hydrolysis releases drug molecule as such at the site of action in a controlled manner and all of this without use of any excipient. At Bezwada Biomedical, we not only imagined it, we have made it into a reality.

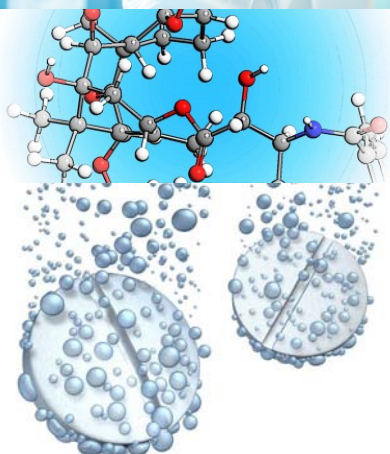
We are pleased to offer a portfolio of drug molecules functionalized with safe and biocompatible molecules such as lactic and glycolic acid for technical evaluation and product development. These functionalized drugs can be used to prepare absorbable drug delivery polymers with the potential to answer unmet customer needs.

Key features and benefits of these drug delivery polymers include:

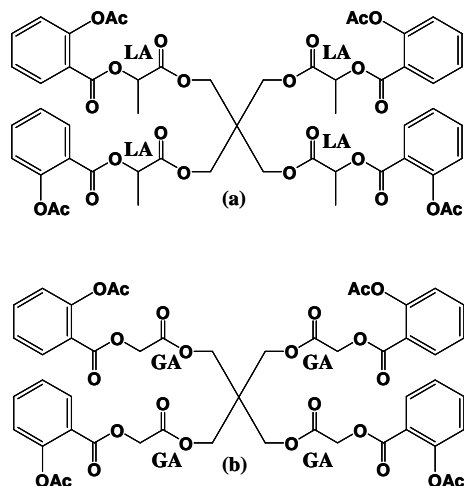
- *Drug molecule is a part of polymer backbone resulting in delivery of highly effective and potent dose*
- *Completely hydrolysable into safe and biocompatible products and drug molecule as such at the site of action.*
- *Tunable rate of release leading to no-burst effects in delivery*
- *No need to use excipients or solubility modifiers*
- *Gamma and EtO sterilizable*

Think Absorbable.

Think Bezwada Biomedical

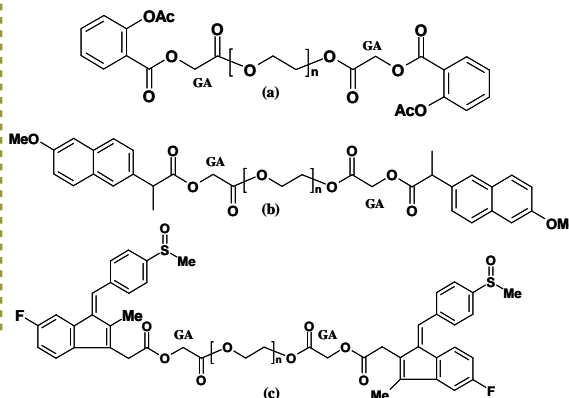


Aspirin End-Functionalized Multiarmed Oligomers



GA-Glycolic Acid, LA-Lactic Acid

Drug End Functionalized Polymers



(a) Aspirin polymer

(b) Naproxen polymer

(c) Sulindac polymer

Key Applications

- **Advanced Wound Repair**
- **Sports Injuries**
- **Topical analgesic and anti-inflammatory creams**
- **Medical Device Coatings**
- **Arthritis and Pain management**
- **Veterinary applications**

Please contact us for a quotation for your custom synthesis needs

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