



## Stereocomplex Of Oligolactic Acid Conjugates In Micelles For Improved Physical Stability And Enhanced Antitumor Efficacy

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### The Invention

The present technology relates generally to oligolactic acid conjugates and stereocomplexes of conjugates of gemcitabine and gemcitabine derivatives, micelle compositions containing such conjugates or stereocomplexes of conjugates, and methods of preparing and using such compositions to treat various cancers. The oligolactic acid conjugates and stereocomplexes of conjugates may include oligolactic acid comprising 2 to 20 lactic acid subunits and may be attached through an amide linkage to the nitrogen of the 4(N) of the gemcitabine or gemcitabine derivative. Compositions comprising water and a micelle comprising a poly lactic acid containing polymer and the oligolactic acid conjugate or stereocomplex of conjugates may be readily prepared. Methods of inhibiting or killing cancer cells and treating gemcitabine sensitive cancers are also provided.

### Additional Information

#### For More Information About the Inventors

- [Glen Kwon](#)

#### Tech Fields

- [Therapeutics & Vaccines : Oncology](#)

For current licensing status, please contact Rafael Diaz at [rdiaz@warf.org](mailto:rdiaz@warf.org) or 608-960-9847