



**School of  
Renewable  
Natural Resources**

Disclosures AG-2014-19

## Oral Paclitaxel Formulation

**Inventor:** Zhijun Liu

### **Description:**

LSU AgCenter faculty have utilized natural plant derivatives to increase the solubility and permeability of paclitaxel to allow for oral administration. Cellular studies showed the permeability of paclitaxel increased tenfold with the new all-natural formulation. The derivatives replace harmful chemical and synthetic solvents normally required for paclitaxel to be absorbed by the body. This development could change not only the methodology of administration of paclitaxel from injection to oral but also make paclitaxel available as a preventative measure against the recurrence of cancer.

### **Advantages:**

- Minimizes treatment side effects
- Lowers drug dosage
- All-natural formulation

### **Commercial Uses:**

- Cancer treatment

Find Intellectual Property on the Web @ [www.lsuagcenter.com/intellectual](http://www.lsuagcenter.com/intellectual)