



Title of technology: 1217B- Asthma treatment
1217B is a botanically derived potential drug candidate that inhibits the synthesis of several key pro-inflammatory mediators involved in the pathophysiology of allergic asthma and has been found to improve lung functionality in a mouse model of allergic asthma.
Description
<p>Inhaled corticosteroids are currently the first line of treatment for asthma. However, these medications lack specificity in their effects and are often associated with side effects. There remains a need for the development of improved therapeutics for allergic asthma.</p> <p>1217B, a complex mixture of botanical extracts, has been derived from four traditional Chinese medicinal herbs. It was studied for its pharmacological activity regarding the release of cysteinyl leukotrienes, IL-4 and TNF<math>\alpha</math> <i>in vitro</i> and the airway hyperreactivity in an antigen sensitized-challenged mouse model <i>in vivo</i>. Preliminary results indicate that 1217B can inhibit the synthesis of several key pro-inflammatory mediators involved in the pathophysiology of allergic asthma and can also improve lung function in a mouse model of allergic asthma. Safety studies have also been performed on cardiovascular, respiratory, and nervous systems using 1217B, and results indicate that no side effects are caused. <i>In vitro</i> tests and <i>in vivo</i> animal tests data are available on request.</p>
Patent No
US patent issued, and EU, China, Germany, England and Taiwan patents are pending
Development status
U.S. FDA IND approved (No.74229)
Type of business relationship sought
<p><b>Biotechnology/pharmaceutical companies</b> that are interested in developing 1217B into a drug following FDA guidelines.</p> <p><b>Companies or research institutes</b> that are seeking collaboration for commercial or scientific purposes.</p>

Licensing contact
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