

Title (en)
LIPOPOLYSACCHARIDE ISOLATED FROM PYRULARIA TISSUE AND/OR PYRULARIA-ASSOCIATED BACTERIA AND USES THEREOF

Title (de)
AUS PYRROLURIE-GEWEBE UND/ODER MIT PYRROLURIE-BAKTERIEN ISOLIERTES LIPOPOLYSACCHARID UND VERWENDUNGEN DAVON

Title (fr)
LIPOPOLYSACCHARIDE ISOLÉ DE TISSU DE PYRULARIA ET/OU BACTÉRIE ASSOCIÉE À PYRULARIA ET LEURS UTILISATIONS

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Abstract (en)
[origin: WO2011038186A1] This disclosure provides, in certain embodiments, methods for generating and using extracts of *Pyricularia* (e.g., *Pyricularia pubera*) and/or an epiphytic/endophytic bacteria associated therewith, either alone or in combination with conventional immunostimulant(s) or anti-inflammatory agents, for modulation of the immune system of a subject. Also provided are compositions that include specific *Pyricularia* extracts, bacteria isolated from *Pyricularia* tissue (in particular, *Pantoea* species), and extracts of from such bacteria. Also provided herein are purified components of *Pyricularia* extracts and/or extracts from the epiphytic/endophytic bacteria, which extracts exhibit mitogenic or cytotoxic activities. Compositions provided herein can be used for the treatment of neutropenia subsequent to chemotherapy, and for the treatment of immune deficiency (e.g., such as is caused by toxic chemotherapy, disease, or advancing age), as well as in other immune- stimulatory methods. Other embodiments of the invention provide methods of producing extracts of the invention, as well as purified bioactive components thereof, including particularly bacterial LPS.

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