



**The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure**

Title:

The Unique Potent Bioactive Protein (POL) from the Chinese Medicinal herb, Yuzhu, *Polygonatum odoratum* (Liliaceae)

CUHK Ref. No.:

04/SCI/188

Inventor(s):

Professor Samuel SUN, Department of Biology

Patent Status:

- ◆ US Patent Pending
- ◆ Chinese Patent Pending
- ◆ PCT Application Filed

Non-confidential abstract:

Disclosed is a method of extraction and purification of novel compositions with potent bioactivities from the Chinese medicinal herb, Yuzhu, *Polygonatum odoratum* (Liliaceae). In particular, the invention composition is an effective agent showing potent antiviral activities while demonstrating antiproliferative effect on HL-60 leukemia cell line *in vitro*. The methods of obtaining the cloned cDNA of the invention composition and its application for establishment of a transgenic plant production system are also disclosed. Methods disclosed is particular useful for economical production for of bioactive proteins, with pharmaceutical and nutraceutical potential, that can be directly consumed by humans or animals for its biological activities.

For further queries, please contact:

Mr Billy Lam
Technology Licensing Coordinator
Tel: (852) 2609 8882
Fax: (852) 2603 5451
Email: billylam@cuhk.edu.hk

Address:
Technology Licensing Office
The Chinese University of Hong Kong
Room 226, Pi Ch'iu Bldg, Shatin, New Territories
Hong Kong SAR