



ADVANCING DRUGS THROUGH GLYCOSCIENCE®

Pro-Pharmaceuticals Announces Tampa General Hospital Dosing Patients with DAVANAT®/5-FU in Phase II, First Line, Advanced Biliary Cancer Clinical Trial

Newton, Mass. (April 4, 2007) Pro-Pharmaceuticals, Inc. (Amex:PRW), a developer of first-in-class carbohydrate therapeutic compounds, today announced that Tampa General Hospital began dosing patients in a Phase II, first line, biliary cancer trial. The Phase II trial is an open-label, multi-center trial of DAVANAT® with 5-Fluorouracil (5-FU) to treat patients with advanced bile duct and gall bladder cancer.

Phase II, First Line, Biliary Cancer Trial

The Company is actively recruiting patients in a Phase II study of DAVANAT® with 5-FU for first line treatment of advanced biliary cancer. The primary objectives of the trial are a partial or complete tumor response and stable disease. Secondary outcomes include progression-free survival and quality of life. The multi-center, open-label study will evaluate up to 42 patients treated with DAVANAT® and 5-FU for at least two cycles or to disease progression. An end stage, cholangiocarcinoma (bile duct) patient from the Phase I, all solid tumors, cancer trial remained on study for 13 months, far exceeding expectations. Treatment of biliary cancer may represent an opportunity for orphan drug status approval.

Clinical sites participating in this trial include the University of Michigan Comprehensive Cancer Center in Ann Arbor, Michigan; Barrett Cancer Center in Cincinnati, Ohio; University of Leipzig in Leipzig, Germany and Sourasky Medical in Tel-Aviv, Israel. The Company expects additional sites to become active soon. Additional information on this trial and the Company's Phase II, first line, colorectal cancer clinical trial, can be found at www.clinicaltrials.gov website, key word: DAVANAT®.

About DAVANAT®

DAVANAT®, the Company's lead drug candidate, is a polysaccharide (carbohydrate polymer) composed of mannose and galactose (galactomannan). The Company believes DAVANAT®'s mechanism of action is based upon binding to lectins on the surface of cancer cells. It is theorized that DAVANAT® targets specific lectin receptors (Galectins) that are over-expressed on cancer cells. Current research indicates that Galectins affect cell development and play important roles in cancer, including tumor cell survival, angiogenesis and tumor metastasis. This form of targeted delivery may allow for higher doses of chemotherapy administration with no increase in toxicity.

About Tampa General Hospital

Tampa General Hospital (TGH) serves a 12-county region with a population in excess of 4 million people in West Central Florida. TGH serves as the primary teaching hospital for the University of South Florida (USF) College of Medicine. Since 1971, the College of Medicine has graduated nearly 1,700 physicians and prepared 2,000 doctors in specialty residency programs. Ranked among the nations top 100 research universities, USF and TGH are committed to developing advances in medicine through both clinical practice and research.

Pro-Pharmaceuticals, Inc. – Advancing Drugs Through Glycoscience®

Pro-Pharmaceuticals, Inc. is engaged in the discovery, development, and commercialization of carbohydrate-based therapeutic compounds for advanced treatment of cancer, liver, microbial, cardiovascular, and inflammatory diseases. The Company's initial focus is the development of a new

generation of anti-cancer treatments using carbohydrate polymers with the intent of enhancing the safety and efficacy of chemotherapy agents. The Company's technology capitalizes on the natural properties of carbohydrates to increase efficacy and reduce toxicity; "rescue" drugs that were shelved for toxicity or "half-life" issues; increase the solubility of existing drugs, and develop carbohydrate polymers as new chemical entities. The need to improve drug therapies, particularly anti-cancer agents, is significant and represents a large market opportunity. DAVANAT[®], the Company's lead product candidate, is a polysaccharide (carbohydrate polymer) composed of mannose and galactose (galactomannan). The Company has been conducting clinical and pre-clinical studies with DAVANAT[®] in combination with 5-FU, leucovorin, irinotecan, doxorubicin, oxaliplatin, paclitaxel, cisplatin, and bevacizumab (Avastin[®]). Results show that DAVANAT[®] exhibits a broad spectrum of activity with tested drugs. The Company is developing additional carbohydrate-based therapeutic compounds that are currently in the pre-clinical stage of development. Founded in 2000, the Company is headquartered in Newton, Mass. Additional information is available at www.pro-pharmaceuticals.com.

FORWARD LOOKING STATEMENTS: Any statements in this news release about future expectations, plans and prospects for the Company, including without limitation statements containing the words "believes," "anticipates," "plans," "expects," and similar expressions, constitute forward-looking statements as defined in the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements are based on management's current expectations and are subject to a number of factors and uncertainties, which could cause actual results to differ materially from those described in such statements. We caution investors that actual results or business conditions may differ materially from those projected or suggested in forward-looking statements as a result of various factors including, but not limited to, the following: uncertainties as to the utility and market for our potential products; uncertainties associated with pre-clinical and clinical trials of our product candidates; our limited experience in product development and expected dependence on potential licensees and collaborators for commercial manufacturing, sales, distribution and marketing of our potential products; possible development by competitors of competing products and technologies; lack of assurance regarding patent and other protection of our proprietary technology; compliance with and change of government regulation of our activities, facilities and personnel; uncertainties as to the extent of reimbursement for our potential products by government and private health insurers; our dependence on key personnel; our history of operating losses and accumulated deficit; and economic conditions related to the biotechnology and biopharmaceutical industry. We cannot assure you that we have identified all the factors that create uncertainties. Readers should not place undue reliance on forward-looking statements.

More information about those risks and uncertainties is contained and discussed in the "Management Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" sections of the Company's most recent quarterly or annual report and in the Company's other reports filed with the Securities and Exchange Commission. The forward-looking statements represent the Company's views as of the date of this news release and should not be relied upon to represent the Company's views as of a subsequent date. While the Company anticipates that subsequent events may cause the Company's views to change, the Company disclaims any obligation to update such forward-looking statements.

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