

June 30, 2014



Actinium Closes Public Offering of Common Shares

Stronger Balance Sheet to Support Late-Stage Pipeline Development

NEW YORK-- Actinium Pharmaceuticals, Inc. ("Actinium" or the "Company") (NYSE MKT:ATNM), a biopharmaceutical company developing innovative targeted payload immunotherapeutics for the treatment of advanced cancers, today announced the closing of its previously announced public offering of 1,670,000 shares of its common stock at a price to the public of \$7.50 per share. In addition, Actinium has granted the underwriters a 30-day option to purchase up to an additional 250,500 shares of common stock solely to cover over-allotments, if any.

The net proceeds from the sale of the shares of common stock, after deducting the underwriting discount and the other offering expenses, are expected to be approximately \$11.4 million.

"The additional capital places the Company in a stronger position to advance both lomab™-B into the planned Phase 3 trial and Actimab-A in the current Phase 1/2 trial. We believe interim data for Actimab-A which is expected in December as well as other key milestones over the next twelve months will create long-term value for our shareholders," said Kaushik J. Dave, Ph.D, President and CEO of Actinium.

Canaccord Genuity Inc. acted as sole book-running manager for the proposed offering, Laidlaw & Company (UK) Ltd. acted as lead manager and MLV & Co. acted as co-manager.

The offering was made pursuant to a shelf registration statement (File No. 333-194768) previously filed with and declared effective by the U.S. Securities and Exchange Commission (SEC). This press release does not constitute an offer to sell, or a solicitation of an offer to buy, any of the securities, nor shall there be any sale of these securities in any jurisdiction in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such jurisdiction. This offering was made only by means of a prospectus supplement and accompanying base prospectus.

About Actinium Pharmaceuticals

Actinium Pharmaceuticals, Inc. (www.actiniumpharma.com) is a New York-based biopharmaceutical company developing innovative targeted payload immunotherapeutics for the treatment of advanced cancers. Actinium's targeted radiotherapy is based on its proprietary delivery platform for the therapeutic utilization of alpha-emitting actinium-225 and bismuth-213 and certain beta emitting radiopharmaceuticals in conjunction with monoclonal antibodies. The Company's lead radiopharmaceutical lomab™-B will be used in preparing

patients for hematopoietic stem cell transplant, commonly referred to as bone marrow transplant. The Company is preparing a single, pivotal, multicenter Phase 3 clinical study of lomab™-B in refractory and relapsed Acute Myeloid Leukemia (AML) patients over the age of 55 with a primary endpoint of durable complete remission. The Company's second program, Actimab-A, is continuing its clinical development in a Phase 1/2 trial for newly diagnosed AML patients over the age of 60 in a single-arm multicenter trial.

Forward-Looking Statements

This news release contains "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995. These statements are based on management's current expectations and involve risks and uncertainties, which may cause actual results to differ materially from those set forth in the statements. The forward-looking statements may include statements regarding product development, product potential, or financial performance, including the public offering of stock contemplated hereby. No forward-looking statement can be guaranteed and actual results may differ materially from those projected. The risks and uncertainties in these forward-looking statements include, but are not limited to, the risks and uncertainties described in the section entitled "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2013, in the prospectus supplement and accompanying prospectus, and in its other filings from time to time filed with the Securities and Exchange Commission. Should one or more of these risks or uncertainties materialize, or should any of the Company's assumptions prove incorrect, actual results may vary in material respects from those projected in these forward-looking statements. Actinium Pharmaceuticals undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future events, or otherwise.

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