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# Actinium Pharmaceuticals Announces Enrollment in the RADIANZ Imaging Clinical Trial Intended to Demonstrate the Pan-Cancer Potential of ATNM-400, A First-in-Class HER3-Targeting Radiotherapy

- RADIANZ results will inform ATNM-400 clinical development beyond prostate cancer to patients with advanced HER3-expressing solid tumors in multiple cancers
- Builds on initial first-in-human clinical data in metastatic castration-resistant prostate cancer presented at EANM 2026 and featured at ESMO 2026
- Pan-cancer expansion is supported by translational data across non-small cell lung, breast, colorectal and ovarian cancer models

NEW YORK, Nov. 11, 2026 /PRNewswire/ -- **Actinium Pharmaceuticals, Inc.** (NYSE American: ATNM) (Actinium or the Company), a pioneer in differentiated targeted radiotherapies with the potential to transform cancer treatment, today announced that the RADIANZ ("Radiolabeled Antibody Distribution In Advanced Neoplasms with Zirconium-89") clinical trial is enrolling patients. RADIANZ is an imaging study of $^{89}$Zr-Barecetamab-DFO using PET to guide the pan-tumor development of $^{225}$Ac-Barecetamab-DOTA (ATNM-400) in solid tumors outside of prostate cancer.

RADIANZ builds on ATNM-400's first-in-human Phase 1 study in metastatic castration-resistant prostate cancer (mCRPC). ATNM-400 is an investigational, first-in-class Actinium-225 antibody radioconjugate targeting HER3, an antigen implicated in tumor survival and treatment resistance across multiple solid tumors. Initial results from that study were presented in October 2026 as an oral presentation at the 39th Annual Congress of the European Association of Nuclear Medicine (EANM). The first three patients received ATNM-400 at 1.0 µCi/kg with no dose-limiting toxicities, HER3-targeted PET imaging showed tumor uptake retained through Day 7, and dose escalation advanced to 1.5 µCi/kg. The mCRPC study was also featured in at the European Society for Medical Oncology (ESMO) Congress 2026. At EANM 2026, Actinium presented preclinical data in NSCLC, colorectal and ovarian cancer models demonstrating the potential of ATNM-400 either as a single agent of in combination with approved drugs. The Company will also present additional breast cancer data for ATNM-400 at the San Antonio Breast Cancer Symposium (SABCS) taking place December 8-11, 2026.

"Dosing the first patient in RADIANZ is a major step in our pan-cancer strategy for ATNM-400," said Sandesh Seth, Actinium's Chairman and CEO. "The initial clinical results we presented at EANM and the study we highlighted at ESMO established ATNM-400 in the clinic in prostate cancer. Our preclinical work across lung, breast, colorectal and ovarian cancer models demonstrates HER3 targeting potential beyond prostate cancer. With RADIANZ, we are now testing that potential in patients and building a clinical path for ATNM-400 across several large, treatment-resistant patient populations."

**RADIANZ Study Design**

The RADIANZ imaging study will include patients with various tumor types, including NSCLC, breast, colorectal, pancreatic and ovarian cancers who have progressed on

standard-of-care therapy. Patients receive Zirconium-89-barecetamab PET imaging with time points up to two weeks to demonstrate tumor retention of the antibody radioconjugate (ARC) in different cancer types over this time span. The study evaluates biodistribution, tumor uptake, pharmacokinetics (PK), and dosimetry across different tumor types.

"Many patients with advanced solid tumors have few options once standard therapies stop working," said Steffen Heeger, MD, Actinium's Chief Medical Officer. "HER3 has been implicated in resistance to targeted therapies, chemotherapy and hormonal therapies across several solid tumors. The RADIANZ Imaging study will give us further insights on how ATNM-400 can be further developed in different solid tumors beyond prostate cancer. We are excited at the potential ATNM-400 offers as the first of its kind HER3 targeting radiotherapy and the opportunity to develop a truly differentiated pan cancer product."

**About ATNM-400**

ATNM-400 is an investigational antibody radioconjugate that pairs the HER3-targeting monoclonal antibody barecetamab with the alpha-emitting isotope Actinium-225. Its antibody-based design combines antigen-specific targeting with the potential for sustained tumor localization, supporting prolonged delivery of high-energy alpha radiation. Tumor uptake and retention observed through Day 7 with the $^{89}$Zr-labeled imaging counterpart support this development rationale alongside the approximately 10-day half-life of $^{225}$Ac. The theranostic approach enables noninvasive visualization of antibody distribution to inform therapeutic development.

ATNM-400 is differentiated from PSMA-targeted radiotherapies by its focus on HER3, an antigen implicated in tumor survival and treatment resistance. PSMA-directed approaches include Novartis' Pluvicto and a broad pipeline of investigational therapies, including Telix Pharmaceuticals' TLX591-Tx, Clarity Pharmaceuticals' $^{67}$Cu-SAR-bisPSMA, Convergent Therapeutics' CONV01-α, AstraZeneca's AZD2265 (formerly FPI-2265), Curium's lutetium-177 zadavotide guraxetan ($^{177}$Lu-PSMA-I&T), ARTBIO's AB001 and AdvanCell's ADVC001. These programs span small-molecule and antibody-based therapies using beta- or alpha-emitting isotopes. ATNM-400 combines HER3 targeting with an Actinium-225 antibody radioconjugate, offering a distinct biological approach with the potential to expand radiotherapy across the broad mCRPC population, including patients with PSMA-low or PSMA-negative disease and those who do not respond to or progress following PSMA-directed treatment. Its HER3-directed mechanism also supports investigation beyond prostate cancer in other HER3-expressing solid tumors.

**About HER3**

HER3, also known as ERBB3, belongs to the epidermal growth factor receptor family and participates in signaling pathways that promote tumor growth, survival and treatment resistance. HER3-directed antibody-drug conjugates (ADCs) in clinical development include BioNTech and MediLink's BNT326/YL202; Bristol Myers Squibb and SystImmune's EGFR × HER3 bispecific ADC, izalontamab brengitecan (iza-bren); and Daiichi Sankyo and Merck's patritumab deruxtecan (HER3-DXd). These programs highlight clinical development interest in HER3 as an oncology target. ATNM-400 takes a different payload approach, delivering alpha radiation rather than a conventional cytotoxic drug. Preclinical activity in prostate, non-small cell lung, breast, colorectal and ovarian cancer models supports investigating ATNM-400 as a potential pan-cancer radiotherapy, both as monotherapy and in rational

combinations.

**About Actinium Pharmaceuticals, Inc.**

Actinium is a pioneer in targeted radiotherapies designed to improve outcomes for patients with cancer. The company employs a biology-driven approach to develop differentiated radiopharmaceuticals for solid tumors and hematologic malignancies. Its mission is to transform cancer treatment through innovative radioconjugates that maximize therapeutic efficacy while minimizing toxicity to healthy tissue by combining expertise in tumor biology, translational medicine, and radiochemistry. Since inception, Actinium has focused on developing innovative radiotherapies. Its pipeline reflects this strategy across three areas: (1) solid tumor therapeutics including ATNM-400 and Actimab-A with pan-tumor potential; (2) Actimab-A as a therapeutic backbone for acute myeloid leukemia (AML) and myelodysplastic syndrome (MDS) in collaboration with the National Cancer Institute (NCI); and (3) targeted conditioning agents including Iomab-B for bone marrow transplant and Iomab-ACT for cell and gene therapy conditioning. ATNM-400 targets HER3, an antigen distinct from PSMA, and is in a first-in-human Phase 1 study in metastatic castration-resistant prostate cancer (mCRPC) and the RADIANZ pan-cancer study, with preclinical activity across mCRPC, NSCLC, breast, colorectal and ovarian cancers. Actimab-A has shown improved survival in relapsed/refractory AML with CLAG-M and is advancing toward a Phase 2/3 trial, with additional development ongoing through a CRADA with the NCI. Actinium is also advancing preclinical solid tumor programs and holds ~250 patents and patent applications, including intellectual property related to cyclotron-based production of Ac-225. For more information, please visit www.actiniumpharma.com.

**Forward-Looking Statements**

This press release may contain projections or other "forward-looking statements" within the meaning of the "safe-harbor" provisions of the private securities litigation reform act of 1995 regarding future events or the future financial performance of the Company which the Company undertakes no obligation to update. These statements are based on management's current expectations and are subject to risks and uncertainties that may cause actual results to differ materially from the anticipated or estimated future results, including the risks and uncertainties associated with preliminary study results varying from final results, estimates of potential markets for drugs under development, clinical trials, actions by the FDA and other governmental agencies, regulatory clearances, responses to regulatory matters, the market demand for and acceptance of Actinium's products and services, performance of clinical research organizations and other risks detailed from time to time in Actinium's filings with the Securities and Exchange Commission (the "SEC"), including without limitation its most recent annual report on form 10-K, subsequent quarterly reports on Forms 10-Q and Forms 8-K, each as amended and supplemented from time to time.

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