

**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

|  |   |  |  |   |   |
|--|---|--|--|---|---|
| 1. Name and Address of Reporting Person *<br>TRAVERSA SERGIO<br><br>(Last) (First) (Middle)<br>100 DAIBES COURT APT. 1404<br><br>(Street)<br>EDGEWATER, NJ 07020<br><br>(City) (State) (Zip) | 2. Date of Event Requiring Statement (Month/Day/Year)<br>12/28/2012 | 3. Issuer Name and Ticker or Trading Symbol<br>Actinium Pharmaceuticals, Inc. [ATNM] | 4. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)<br><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)<br>Interim CEO & Interim CFO | 5. If Amendment, Date Original Filed (Month/Day/Year)<br>01/03/2013 | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person |
|--|---|--|--|---|---|

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 0   | D  |   |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative Security (Instr. 4) | 2. Date Exercisable and Expiration Date (Month/Day/Year) |                 | 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4) |                            | 4. Conversion or Exercise Price of Derivative Security | 5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5) | 6. Nature of Indirect Beneficial Ownership (Instr. 5) |
|--|--|-----------------|---|----------------------------|--|---|---|
|  | Date Exercisable   | Expiration Date | Title   | Amount or Number of Shares |  |   |   |
| Options to purchase common stock           | (1)  | 08/30/2022      | Options   | 49,950                     | \$ 1.5   | D   |   |

**Reporting Owners**

| Reporting Owner Name / Address                                       | Relationships |           |                           |       |
|--|---------------|-----------|---------------------------|-------|
|  | Director      | 10% Owner | Officer                   | Other |
| TRAVERSA SERGIO<br>100 DAIBES COURT APT. 1404<br>EDGEWATER, NJ 07020 | X             |           | Interim CEO & Interim CFO |       |

**Signatures**

|  |            |
|--|------------|
| /s/ Sergio Traversa                            | 08/22/2013 |
| <small>**Signature of Reporting Person</small> | Date       |

**Explanation of Responses:**

\* If the form is filed by more than one reporting person, see Instruction 5(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) Options granted on August 30, 2012 to purchase an aggregate of 49,950 shares of common stock. A total of 28% of the options will vest one year from the grant date, and 2% per month thereafter.

**Remarks:**

Mr. Traversa was appointed as the company's (i) interim Chief Executive Officer on March 1, 2013 and (ii) interim Chief Financial Officer on March 11, 2013.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, See Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.