# **SECURITI**

SECURITIE	S AND EXCHANGE CO	MMISSION
	Washington, D.C. 20549	
	FORM 8-K	
	CURRENT REPORT	
	Pursuant to Section 13 or 15(d) of the	
	Securities Exchange Act of 1934	
Date of r	eport (Date of earliest event reported): February	y 9, 2004
	NANOGEN, INC. (Exact Name of Registrant as Specified in Charter)	
Delaware (State or Other Jurisdiction of Incorporation)	000-23541 (Commission File Number)	33-0489621 (IRS Employer Identification No.)
10398 Pacific Center Court, San Dieg (Address of Principal Executive C		92121 (Zip Code)

Registrant s telephone number, including area code: (858) 410-4600

#### Item 5. Other Events.

On February 10, 2004, Nanogen, Inc. (the *Registrant*) announced that it has signed a definitive agreement to acquire SynX Pharma, Inc., a company organized and existing under the laws of the Province of Ontario. A copy of the press release issued by the Registrant on February 10, 2004 concerning the foregoing transaction is filed herewith as Exhibit 99.1 and is incorporated herein by reference.

#### Item 7. Financial Statements, Pro Forma Financial Information and Exhibits.

- (c) Exhibits.
  - 99.1 Press Release of Registrant, dated February 10, 2004, announcing that it has signed a definitive agreement to acquire SynX Pharma, Inc., a company organized and existing under the laws of the Province of Ontario.

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#### **SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

### NANOGEN, INC.

Dated: February 10, 2004 By: /s/ David Ludvigson

David Ludvigson, Executive Vice President

Chief Financial Officer and Treasurer

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### EXHIBIT INDEX

### Exhibit

## Number Description of Document

Press Release of Registrant, dated February 10, 2004, announcing that it has signed a definitive agreement to acquire SynX Pharma, Inc., a company organized and existing under the laws of the Province of Ontario.