

NEUROCRINE BIOSCIENCES INC  
 Form 4  
 May 19, 2008

**FORM 4**

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
 Washington, D.C. 20549

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 BVF PARTNERS L P/IL

2. Issuer Name and Ticker or Trading Symbol  
 NEUROCRINE BIOSCIENCES INC [NBIX]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)  
 ONE SANSOME STREET, 31ST FLOOR

3. Date of Earliest Transaction (Month/Day/Year)  
 05/15/2008

\_\_\_\_ Director  
 \_\_\_\_ Officer (give title below)  
 10% Owner  
 Other (specify below)  
 Indirect Beneficial Owner

(Street)  
 SAN FRANCISCO, CA 94104

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
			Code	V	Amount	(A) or (D)	Price		
Common Stock	05/15/2008		P		32,300 (3)	A	\$ 4.6275	4,907,400 (6) I	See footnotes (1) (2)
Common Stock	05/15/2008		P		21,000 (4)	A	\$ 4.6275	4,928,400 (6) I	See footnotes (1) (2)
Common Stock	05/15/2008		P		73,000 (5)	A	\$ 4.6275	5,001,400 (6) I	See footnotes (1) (2)
Common	05/16/2008		P		7,300	A	\$	5,008,700 (6) I	See

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Stock			(3)		4.6524				footnotes (1) (2)
Common Stock	05/16/2008		P	4,000 (4)	A \$ 4.6524	5,012,700	(6)	I	See footnotes (1) (2)
Common Stock	05/16/2008		P	15,000 (5)	A \$ 4.6524	5,027,700	(6)	I	See footnotes (1) (2)

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

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(9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BVF PARTNERS L P/IL ONE SANSOME STREET, 31ST FLOOR SAN FRANCISCO, CA 94104		X		Indirect Beneficial Owner
BIOTECHNOLOGY VALUE FUND L P 900 N. MICHIGAN AVE., SUITE 1100 CHICAGO, IL 60611				Direct Beneficial Owner
BIOTECHNOLOGY VALUE FUND II LP 900 N. MICHIGAN AVE., SUITE 1100 CHICAGO, IL 60611				Direct Beneficial Owner

BVF INVESTMENTS LLC  
 900 N. MICHIGAN AVE., SUITE 1100  
 CHICAGO, IL 60611

Direct Beneficial Owner

BVF INC/IL  
 ONE SANSOME STREET, 31ST FLOOR  
 SAN FRANCISCO, CA 94104

X

Indirect Beneficial Owner

## Signatures

BVF Partners L.P., By: BVF Inc., its GP, By: /s/ Mark N. Lampert	05/19/2008
__Signature of Reporting Person	Date
BIOTECHNOLOGY VALUE FUND, L.P. By: BVF Partners L.P., its GP, By: BVF Inc., By: /s/ Mark N. Lampert	05/19/2008
__Signature of Reporting Person	Date
BIOTECHNOLOGY VALUE FUND II, L.P., By: BVF Partners L.P., its GP, By: BVF Inc., By: /s/ Mark N. Lampert	05/19/2008
__Signature of Reporting Person	Date
BVF INVESTMENTS, L.L.C., By: BVF Partners L.P., its Manager, By: BVF Inc., By: /s/ Mark N. Lampert	05/19/2008
__Signature of Reporting Person	Date
BVF INC., By: /s/ Mark N. Lampert	05/19/2008
__Signature of Reporting Person	Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, *see* Instruction 4(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).

The shares reported in this response are indirectly beneficially owned by BVF Partners L.P., a Delaware limited partnership ("Partners"), the designated filer of this joint filing on Form 4, and by its general partner, BVF Inc., a Delaware corporation ("BVF Inc."), which is also an investment advisor to Partners. Partners is the general partner of Biotechnology Value Fund, L.P., a Delaware limited partnership ("BVF, L.P.") and Biotechnology Value Fund II, L.P., a Delaware limited partnership ("BVF2, L.P."), both investment limited partnerships. Partners also is the manager of BVF Investments, L.L.C., a Delaware limited liability company ("Investments"). Pursuant to the operating agreement of Investments, Partners is authorized, among other things, to invest the funds of Ziff Asset Management, L.P., the majority member of Investments, in the shares of Common Stock reported in Table I as being beneficially owned by Investments.

(1) Mark N. Lampert is the sole shareholder and sole director of BVF Inc., and is an officer of BVF Inc. This joint filing on Form 4 shall not be deemed an admission that Mark N. Lampert is, for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or otherwise, the beneficial owner of any equity securities covered by this joint filing.

(2) Shares directly beneficially owned by BVF, L.P.

(3) Shares directly beneficially owned by BVF2, L.P.

(4) Shares directly beneficially owned by Investments.

(5) Total amount of shares indirectly beneficially owned by Partners and BVF Inc.

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

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