NEUROCRINE BIOSCIENCES INC Form SC 13G/A February 10, 2012

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

SCHEDULE 13G (Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b) (Amendment No. 8)1

Neurocrine Biosciences, Inc. (Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

64125C109 (CUSIP Number)

December 31, 2011 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- o Rule 13d-1(b)
- x Rule 13d-1(c)
- o Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

¹ The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

1	NAME OF REPORTING PERSON	
2	Biotechnology Value Fund, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	

]	Delaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		1,236,665
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

1,236,665

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,236,665

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.9%

12 TYPE OF REPORTING PERSON

8

PN

1	NAME OF REPORTING PERSON	
2	Biotechnology Value Fund II, L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	

]	Delaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		757,600
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

757,600

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

757,600

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

1.1%

12 TYPE OF REPORTING PERSON

8

PN

1	NAME OF REPORTING PERSON	
2	BVF Investments, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A	(a) x
3	GROUP SEC USE ONLY	(b) o
5	SEC USE ONE I	

4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

	Delaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		3,527,700
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

3,527,700

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,527,700

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.3%

12 TYPE OF REPORTING PERSON

00

1	NAME OF REPORTING PERSON	
2	Investment 10, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	

	Illinois		
NUMBER OF		5	SOLE VOTING POWER

SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		406,900
PERSON WITH	7	SOLE DISPOSITIVE POWER

8

0 shares

SHARED DISPOSITIVE POWER

406,900

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

406,900

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

Less than 1%

12 TYPE OF REPORTING PERSON

1	NAME OF REPORTING PERSON	
2	BVF Partners L.P. CHECK THE APPROPRIATE BOX IF A MEMBER OF A	(a) x
2	GROUP	$(a) \mathbf{x}$ (b) o
3	SEC USE ONLY	

4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

Γ	Delaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		5,928,865
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

5,928,865

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,928,865

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

PN, IA

1	NAME OF REPORTING PERSON
	BVF Inc.

- 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A (a) x GROUP (b) o
- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

D	Delaware	
NUMBER OF	5	SOLE VOTING POWER
SHARES		
BENEFICIALLY		0 shares
OWNED BY	6	SHARED VOTING POWER
EACH		
REPORTING		5,928,865
PERSON WITH	7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

5,928,865

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,928,865

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

CO

1	NAME OF REPORTING PERSON	
2	Mark N. Lampert CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) x (b) o

- 3 SEC USE ONLY
- 4 CITIZENSHIP OR PLACE OF ORGANIZATION

8

	United States		
NUMBER OF		5	SOLE VOTING POWER
SHARES			
BENEFICIALLY			0 shares
OWNED BY		6	SHARED VOTING POWER
EACH			
REPORTING			5,928,865
PERSON WITH		7	SOLE DISPOSITIVE POWER

0 shares

SHARED DISPOSITIVE POWER

5,928,865

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,928,865

- 10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) " EXCLUDES CERTAIN SHARES
- 11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

9.0%

12 TYPE OF REPORTING PERSON

IN

CUSIP NO. 64125C109

Item 1(a).

Name of Issuer:

Neurocrine Biosciences, Inc., a Delaware corporation (the "Issuer").

Item 1(b).

Address of Issuer's Principal Executive Offices:

12780 El Camino Real San Diego, CA 92130

Item 2(a). Item 2(b). Item 2(c). Name of Person Filing Address of Principal Business Office or, if None, Residence Citizenship

Biotechnology Value Fund, L.P. ("BVF") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Delaware

Biotechnology Value Fund II, L.P. ("BVF2") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Delaware

BVF Investments, L.L.C. ("BVLLC") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Delaware

Investment 10, L.L.C. ("ILL10") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Illinois

BVF Partners L.P. ("Partners") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Delaware

BVF Inc. 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: Delaware

Mark N. Lampert ("Mr. Lampert") 900 North Michigan Avenue, Suite 1100 Chicago, Illinois 60611 Citizenship: United States

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

CUSIP NO. 64125C109

Item 2(d).

Title of Class of Securities:

CUSIP Number:

Common Stock, par value \$0.001 per share (the "Common Stock")

Item 2(e).

64125C109

Item 3. If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:

			/x/	Not applicable.		
	(a)	11	Broker or dealer registere	ed under Section 15 of the Exchange Act.		
	(b) //		Bank as defined i	Bank as defined in Section 3(a)(6) of the Exchange Act.		
	(c)	// In	surance company as define	ed in Section $3(a)(19)$ of the Exchange Act.		
	(d) /	/ Investme	ent company registered unde	er Section 8 of the Investment Company Act.		
	(e)	//	An investment adviser in	accordance with Rule 13d-1(b)(1)(ii)(E).		
	(f) //	An employee be	enefit plan or endowment fu	and in accordance with Rule 13d-1(b)(1)(ii)(F).		
	(g) // A parent holding company or control person in accordance with Rule $13d-1(b)(1)(ii)(G)$.					
	(h) // A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.					
(i)//A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.					e	
	(\mathbf{i})		Crown in ac	corden as with $\mathbf{P}_{\mathbf{u} \mathbf{c}}$ 12d 1(b)(1)(ii)(I)		

- (j) // Group, in accordance with Rule 13d-1(b)(1)(ii)(J).
- (k)//Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution: _____

Item 4.

Ownership

(a) Amount beneficially owned:

As of the close of business on December 30, 2011, (i) BVF beneficially owned 1,236,665 shares of Common Stock, (ii) BVF2 beneficially owned 757,600 shares of Common Stock, (iii) BVLLC beneficially owned 3,527,700 shares of Common Stock and (iv) ILL10 beneficially owned 406,900 shares of Common Stock.

Partners, as the general partner of BVF and BVF2, the manager of BVLLC and the investment adviser of ILL10, may be deemed to beneficially own the 5,928,865 shares of Common Stock beneficially owned in the aggregate by BVF, BVF2, BVLLC and ILL10.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 5,928,865 shares of Common Stock beneficially owned by Partners.

CUSIP NO. 64125C109

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 5,928,865 shares of Common Stock beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any shares of Common Stock owned by another Reporting Person. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the shares of Common Stock beneficially owned by BVF, BVF2, BVLLC and ILL10 and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percer	t of class:

The following percentages are based on 66,239,495 shares of Common Stock outstanding as of January 31, 2012, as disclosed in the Issuer's Annual Report on Form 10-K filed with the Securities and Exchange Commission on February 9, 2012.

As of the close of business on December 30, 2011, (i) BVF beneficially owned approximately 1.9% of the outstanding shares of Common Stock, (ii) BVF2 beneficially owned approximately 1.1% of the outstanding shares of Common Stock, (iv) ILL10 beneficially owned less than 1% of the outstanding shares of Common Stock and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 9.0% of the outstanding shares of Common Stock. (c) Number of shares as to which such person has:

	(\mathbf{c})	Number of shares as to which such person has.		
	(i)	Sole power to vote or to direct the vote		
See Cover Pages I	Items 5-9.			
	(ii)	Shared power to vote or to direct the vote		
See Cover Pages Items 5-9.				
	(iii)	Sole power to dispose or to direct the disposition of		
See Cover Pages Items 5-9.				
	(iv)	Shared power to dispose or to direct the disposition of		
See Cover Pages Items 5-9.				
Item 5.	Ownership of Five Percent or Less of a Class.			
Not Applicable.				
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CUSIP NO. 64125C109

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Pursuant to the operating agreement of BVLLC, Partners is authorized, among other things, to invest the contributed capital of Samana Capital, L.P., the majority member of BVLLC, in the shares of Common Stock and other securities of the Issuer and to vote, exercise or convert and dispose of each security, and is entitled to receive fees based on assets under management and, subject to certain exceptions, allocations based on realized and unrealized gains on such assets.

Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the shares of Common Stock beneficially owned by BVF, BVF2, BVLLC and ILL10.

Item Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the ParentHolding Company or Control Person.

Not Applicable.

Item 8. Identification and Classification of Members of the Group.

See Exhibit 99.1 to Amendment No. 4 to the Schedule 13G filed with the Securities and Exchange Commission on February 10, 2010.

Item 9.

Notice of Dissolution of Group.

Not Applicable.

Item 10.

Certifications.

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURES

After reasonable inquiry and to the best of his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: February 10, 2012

BIOTECHNOLOGY VALUE FUND, L.P.		INVESTMENT 10, L.L.C.	
By:	BVF Partners L.P., its general partner	By:	BVF Partners L.P., its investment manager
By:	BVF Inc., its general partner	By:	BVF Inc., its general partner
By:	/s/ Mark N. Lampert Mark N. Lampert President	Ву:	/s/ Mark N. Lampert Mark N. Lampert President
BIOTECHNOLOGY VALUE FUND II, L.P.		BVF PARTNERS L.P.	
By:	BVF Partners L.P., its general partner	By:	BVF Inc., its general partner
By:	BVF Inc., its general partner	By:	/s/ Mark N. Lampert Mark N. Lampert
By:	/s/ Mark N. Lampert Mark N. Lampert President		President
		BVF INC.	
BVF INVESTMENTS, L.L.C.		By:	/s/ Mark N. Lampert Mark N. Lampert
By:	BVF Partners L.P., its manager		President
By:	BVF Inc., its general partner		
By:	/s/ Mark N. Lampert Mark N. Lampert President		/s/ Mark N. Lampert MARK N. LAMPERT
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