

OMB APPROVAL	
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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP**

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

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

1. Name and Address of Reporting Person* <b>MOLLICA JOSEPH A</b>  (Last) (First) (Middle) <b>12780 EL CAMINO REAL</b>  (Street) <b>SAN DIEGO CA 92130</b>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <b>NEUROCRINE BIOSCIENCES INC [ NBIX ]</b>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner  Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <b>04/12/2017</b>	
4. If Amendment, Date of Original Filed (Month/Day/Year)		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person  Form filed by More than One Reporting Person

**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	04/12/2017		M		20,000	A	\$3.4	57,354 <sup>(1)</sup>	D	
Common Stock	04/12/2017		F		1,312	D	\$51.8	56,042 <sup>(1)</sup>	D	

**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 Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Option	\$3.4	04/12/2017		M			20,000	06/25/2010	05/25/2017	Common Stock	20,000	\$0.00	0	D	

**Explanation of Responses:**

1. The share issuance reported on Table I reflects shares issued upon the exercise of options granted on May 25, 2010, which, if unexercised would have expired on May 25, 2017. The option exercises are reported on Table II. These option exercises were pursuant to a net issuance arrangement effected under the issuer's Equity Incentive Plan. The number of shares issued pursuant to the net issuance arrangement was calculated as follows: the option exercise price (\$3.40) was subtracted from the April 12, 2017 market close price (\$51.80), and this net amount (\$48.40) was then multiplied by the number of options (20,000), with the resulting amount then divided by the market close price to result in a net issuance of 18,688 shares to the optionee. The 1,312 shares underlying the remaining portion of the options are not available for re-issuance, and no shares were sold into the market as a part of the exercise in connection with a net issuance program.

**Remarks:**

/s/ Darin Lippoldt, Attorney-In-Fact 04/13/2017

\*\* Signature of Reporting Person Date

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

\* 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).

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

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 Number.