

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed 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* <u>Coughlin Timothy P</u>	2. Date of Event Requiring Statement (Month/Day/Year) 09/18/2006	3. Issuer Name and Ticker or Trading Symbol <u>NEUROCRINE BIOSCIENCES INC [NBIX]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>VP and Chief Financial Officer</u>	5. If Amendment, Date of Original Filed (Month/Day/Year)
(Last) (First) (Middle) <u>NEUROCRINE BIOSCIENCES, INC.</u> <u>12790 EL CAMINO REAL</u>			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
(Street) <u>SAN DIEGO CA 92130</u>			
(City) (State) (Zip)			

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)
<u>Common Stock</u>	<u>228</u>	<u>D</u>	

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: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Employee Stock Option (right to buy)</u>	<u>09/30/2003</u>	<u>09/30/2012</u>	<u>Common Stock</u>	<u>11,000</u>	<u>41</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>08/23/2004</u>	<u>07/23/2014</u>	<u>Common Stock</u>	<u>3,750</u>	<u>44.7</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>11/20/2004</u>	<u>10/20/2014</u>	<u>Common Stock</u>	<u>4,000</u>	<u>45.04</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>11/21/2004</u>	<u>10/21/2014</u>	<u>Common Stock</u>	<u>100</u>	<u>44.77</u>	<u>D</u>
<u>Employee Stock Option (right to buy)</u>	<u>10/20/2005</u>	<u>09/20/2015</u>	<u>Common Stock</u>	<u>2,500</u>	<u>47.88</u>	<u>D</u>

Explanation of Responses:

Remarks:

Richard Ranieri, By Power of Attorney 09/20/2006

** 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 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).

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.

The undersigned, as an Officer of Neurocrine Biosciences, Inc.

(the "Corporation"),

hereby constitutes and appoints, jointly and severally Margaret E.

Valeur-Jensen and Richard Ranieri, hereby and each of them, the

undersigned's true and lawful attorney-in-fact and agent, each with the

power of substitution for him in any and all capacities to complete and

execute such Forms 144, advisable pursuant to Rule 144 promulgated under

the Securities Act of 1933 (as amended) and Forms 3, 4, and 5 advisable

pursuant to section 16 of the Securities Exchange Act of 1934, and other

forms as such attorney shall in his or her discretion determine to be

required by the rules and regulations promulgated thereunder, or any

successor laws and regulations, as a consequence of the undersigned's

ownership, acquisition or disposition of securities of the Corporation,

and to do all acts necessary in order to file such forms with the Securities

and Exchange Commission, any securities exchange or national association, the

Corporation and such other person or agency as the attorney shall deem

appropriate. The undersigned hereby ratifies and confirms all that said

attorneys-in-fact and agents shall do or cause to be done by virtue

hereof.

This Limited Power of Attorney is executed at San Diego, CA, as of the date set forth below.

TIMOTHYP. COUGHLIN

Type or Print Name

Date: