

SECURITIES AND EXCHANGE COMMISSION

FORM 4

Statement of changes in beneficial ownership of securities

Filing Date: **2009-01-26** | Period of Report: **2009-01-22**

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REPORTING OWNER

Schmidt Keith

CIK: **1389235**

Type: **4** | Act: **34** | File No.: **000-51462** | Film No.: **09545972**

Mailing Address

*C/O CHELSEA
THERAPEUTICS, INC.
13950 BALLANTYNE
CORPORATE PL., UNIT 325
CHARLOTTE NC 28277*

Business Address

704-341-1516

ISSUER

Chelsea Therapeutics International, Ltd.

CIK: **1333763** | IRS No.: **203174202** | State of Incorporation: **DE** | Fiscal Year End: **1231**

SIC: **2836** Biological products, (no diagnostic substances)

Mailing Address

*13950 BALLANTYNE
CORPORATE PLACE
UNIT 325
CHARLOTTE NC 28277*

Business Address

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CORPORATE PLACE
UNIT 325
CHARLOTTE NC 28277
704-341-1516*

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

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

1. Name and Address of Reporting Person Schmidt Keith			2. Issuer Name and Ticker or Trading Symbol Chelsea Therapeutics International, Ltd. [CHTP]		5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Vice Pres. Marketing and Sales	
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 01/22/2009			
3530 TORINGDON WAY, SUITE 200			4. If Amendment, Date Original Filed(Month/Day/Year)		6. Individual or Joint/Group Filing (Check applicable line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person	
(Street) CHARLOTTE, NC 28277						
(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)			

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 of Derivative Security: 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 (Right to Buy)	\$1.78	01/22/2009		A		50,000		(1)	01/22/2019	Common Stock	50,000	\$ 0	50,000	D	
Stock Option (Right to Buy)	\$6.5							(2)	01/24/2018	Common Stock	50,000		50,000	D	
Stock Option (Right to Buy)	\$5.45							(3)	01/31/2017	Common Stock	75,000		75,000	D	

Explanation of Responses:

1. Option vests in four equal annual installments beginning on January 22, 2010.
2. Option vests in four equal annual installments beginning on January 24, 2009.
3. Option vests in four equal annual installments beginning on February 1, 2008.

Signatures

/s/ Donald R. Reynolds, Attorney-in-Fact

** Signature of Reporting Person

01/26/2009

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.