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

SCHEDULE 13G/A

Under the Securities Exchange Act of 1934 (Amendment No. 2)*

Enzon Pharmaceuticals, Inc.
 (Name of Issuer)

Common Stock, par value \$0.01 per share
 (Title of Class of Securities)

293904108 (CUSIP Number)

December 31, 2008 (Date of Event Which Requires Filing of this Statement)

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

- [] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [] Rule 13d-1(d)

*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.

The information required in the remainder of this cover page shall not be deemed to be "filed" for 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).

Page 1 of 12 Pages

CUSIP No.	293904108	13G/A	Page	2 of	12	Page	es
(1)	NAMES OF REPORTING PERSON	NS					
	Highbridge International	LLC					
(2)	(see instructions)	X IF A MEMBER OF A GROUP				a) [:	-
(3)	SEC USE ONLY						
(4)	CITIZENSHIP OR PLACE OF (ORGANIZATION					
	Cayman Islands, British W						
NUMBER OF	(5) SOLE VOTING POWER	R					
SHARES							

BENEFICIALL	Y (6)	SHARED VOTING POWER \$37,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 3,968,584 shares of Common Stock
OWNED BY		
EACH	(7)	SOLE DISPOSITIVE POWER 0
REPORTING		
PERSON WITH	(8)	SHARED DISPOSITIVE POWER \$37,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 3,968,584 shares of Common Stock
(9)	BY EAC \$37,90	ATE AMOUNT BENEFICIALLY OWNED H REPORTING PERSON 0,000 aggregate principal amount of 4.0% Convertible Senior due 2013, convertible into 3,968,584 shares of Common Stock
(10)		BOX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES (see instructions) []
(11)		T OF CLASS REPRESENTED UNT IN ROW (9)
(12)	TYPE O	F REPORTING PERSON (see instructions)
(1)		OF REPORTING PERSONS idge Convertible Arbitrage Master Fund, L.P.
(2)		THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) []
(3)	SEC US	E ONLY
(4)	CITIZE	NSHIP OR PLACE OF ORGANIZATION
	Cayman	Islands, British West Indies
		SOLE VOTING POWER 0
SHARES		
		SHARED VOTING POWER 0
OWNED BY		
EACH REPORTING		SOLE DISPOSITIVE POWER 0
PERSON WITH	(8)	SHARED DISPOSITIVE POWER
(9)		ATE AMOUNT BENEFICIALLY OWNED H REPORTING PERSON
(10)		BOX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES (see instructions) []

(11)		OF CLASS		ITED			
(12)	TYPE OF	' REPORTING	G PERSON	(see instr	ructions)		
CUSIP No. 2	293904108	ı		13G/A		Page 4 of	12 Pages
(1)		F REPORTII					
	Hignori 	age conve	rtible Op	portunitie 	es Master Fund	, ь.Р 	
(2)		HE APPROPI		IF A MEMB	BER OF A GROUP		(a) [X] (b) []
(3)	SEC USE	ONLY					
(4)				RGANIZATIC			
	Cayman	Islands, I	British W	lest Indies	; 		
NUMBER OF	(5)	SOLE VOT:	ING POWER				
HARES							
BENEFICIALI	Y (6)		00 aggreg otes, due	ate princi	pal amount of vertible into		
OWNED BY							
EACH	(7)	SOLE DIS	POSITIVE				
REPORTING							
PERSON WITH	H (8)		00 aggreg otes, due	ate princi	pal amount of evertible into		
(9)	BY EACH \$5,000,	REPORTING 000 aggree Notes, due	G PERSON gate prin		int of 4.0% Cos		
(10)	CHECK B	OX IF THE	AGGREGAT	'E AMOUNT	(see instruct	ions)	[]
(11)		OF CLASS		TED			
(12)	PN			(see instr			
CUSIP No. 2	293904108	i.		13G/A		Page 5 of	12 Pages
 /1\	NAMES O						

	Highbri	dge Capital Managemer	nt, LLC	
(2)		HE APPROPRIATE BOX II structions)	F A MEMBER OF A GROUP	(a) [X] (b) []
(3)	SEC USE	ONLY		
(4)	CITIZEN	SHIP OR PLACE OF ORGA	ANIZATION	
	State o	f Delaware		
NUMBER OF	(5)	SOLE VOTING POWER		
SHARES		0 		
BENEFICIALLY	(6)		te principal amount of 013, convertible into	
OWNED BY				
EACH	(7)	SOLE DISPOSITIVE POW	VER	
REPORTING				
PERSON WITH	(8)		POWER te principal amount of 013, convertible into	
(9)	BY EACH \$42,900		LY OWNED ipal amount of 4.0% Core into 4,492,144 shares	
(10)		OX IF THE AGGREGATE A	AMOUNT SHARES (see instruction	ons)
(11)		OF CLASS REPRESENTER)	
(12)		REPORTING PERSON (se		
CUSIP No. 29	93904108	13	BG/A	Page 6 of 12 Pages
		F REPORTING PERSONS		
	Glenn D	ubin 		
(2)		HE APPROPRIATE BOX II structions)	F A MEMBER OF A GROUP	(a) [X] (b) []
(3)	SEC USE	ONLY		
(4)	CITIZEN	SHIP OR PLACE OF ORGA	ANIZATION	
	United	States		
NUMBER OF	(5)	SOLE VOTING POWER		
SHARES				
BENEFICIALLY	(6)		te principal amount of	

		of Common Stock
OWNED BY		
EACH	(7)	SOLE DISPOSITIVE POWER 0
REPORTING		
PERSON WITH	(8)	SHARED DISPOSITIVE POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares of Common Stock
(9)	BY EAC \$42,90	ATE AMOUNT BENEFICIALLY OWNED H REPORTING PERSON 0,000 aggregate principal amount of 4.0% Convertible Senior due 2013, convertible into 4,492,144 shares of Common Stock
(10)		BOX IF THE AGGREGATE AMOUNT (9) EXCLUDES CERTAIN SHARES (see instructions) []
(11)		T OF CLASS REPRESENTED UNT IN ROW (9)
(12)	TYPE O	F REPORTING PERSON (see instructions)
CUSIP No. 2	9390410	8 13G/A Page 7 of 12 Pages
(1)	NAMES Henry	OF REPORTING PERSONS
(2)	CHECK	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) []
(2)	CHECK	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) []
	CHECK (see i	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) []
(3)	CHECK (see i	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY
(3)	CHECK (see i SEC US CITIZE	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER
(3)	CHECK (see i SEC US CITIZE	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States
(3) (4) NUMBER OF	CHECK (see i SEC US CITIZE United (5)	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares
(3) (4) NUMBER OF	CHECK (see i SEC US CITIZE United (5)	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible
(3) (4) NUMBER OF SHARES BENEFICIALL	CHECK (see i SEC US CITIZE United (5) Y (6)	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares of Common Stock SOLE DISPOSITIVE POWER
(3) (4) NUMBER OF SHARES BENEFICIALL OWNED BY	CHECK (see i SEC US CITIZE United (5) Y (6)	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares of Common Stock
(3) (4) NUMBER OF SHARES BENEFICIALL OWNED BY EACH	CHECK (see i SEC US CITIZE United C5) Y (6)	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares of Common Stock SOLE DISPOSITIVE POWER 0
(3) (4) NUMBER OF SHARES BENEFICIALL OWNED BY EACH REPORTING	CHECK (see i SEC US CITIZE United (5) Y (6) (7) (8) AGGREG BY EAC \$42,90	THE APPROPRIATE BOX IF A MEMBER OF A GROUP nstructions) (a) [X] (b) [] E ONLY NSHIP OR PLACE OF ORGANIZATION States SOLE VOTING POWER 0 SHARED VOTING POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares of Common Stock SOLE DISPOSITIVE POWER 0 SHARED DISPOSITIVE POWER \$42,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013, convertible into 4,492,144 shares

(11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 9.08%

(12) TYPE OF REPORTING PERSON (see instructions)

CUSIP No. 293904108

13G/A

Page 8 of 12 Pages

This Amendment No. 2 (this "Amendment") amends the statement on Schedule 13G filed on May 26, 2006, as amended by Amendment No. 1 filed on February 14, 2007 (as amended, the "Schedule 13G") with respect to shares of common stock (the "Common Stock") of Enzon Pharmaceuticals, Inc., a Delaware corporation (the "Company"). Capitalized terms used herein and not otherwise defined in this Amendment have the meanings set forth in the Schedule 13G. This Amendment amends and restates Items 2(a), 2(b), 2(c), 4 and 5 in their entirety as set forth below.

Item 2(a). Name of Person Filing
Item 2(b). Address of Principal Business Office
Item 2(c). Citizenship

HIGHBRIDGE INTERNATIONAL LLC

c/o Harmonic Fund Services The Cayman Corporate Centre, 4th Floor

27 Hospital Road

Grand Cayman, Cayman Islands, British West Indies

Citizenship: Cayman Islands, British West Indies

HIGHBRIDGE CONVERTIBLE OPPORTUNITIES MASTER FUND, L.P.

Maples Corporate Services Limited

PO Box 309, Ugland House

Grand Cayman, Cayman Islands, British West Indies

Citizenship: Cayman Islands, British West Indies

HIGHBRIDGE CAPITAL MANAGEMENT, LLC

9 West 57th Street, 27th Floor New York, New York 10019

Citizenship: State of Delaware

GLENN DUBIN

c/o Highbridge Capital Management, LLC 9 West 57th Street, 27th Floor New York, New York 10019

Citizenship: United States

HENRY SWIECA

c/o Highbridge Capital Management, LLC 9 West 57th Street, 27th Floor New York, New York 10019 Citizenship: United States

Due to a change in the reporting structure of Highbridge Capital Management, LLC, Highbridge Master L.P., Highbridge Capital Corporation, Highbridge Capital L.P., Highbridge GP, Ltd. and Highbridge GP, LLC, are no longer Reporting Persons.

CUSIP No. 293904108

13G/A

Page 9 of 12 Pages

Item 4. Ownership

percentage of the class of securities of the issuer identified in Item 1.

(a) Amount beneficially owned:

As of the date of this filing, (i) Highbridge International LLC beneficially owns \$37,900,000 aggregate principal amount of 4.0% Convertible Senior Notes, due 2013 (the "Notes"), convertible into 3,968,584 shares of Common Stock, (ii) Highbridge Convertible Arbitrage Master Fund, L.P. no longer beneficially owns any shares of Common Stock, (iii) Highbridge Covertible Opportunities Master Fund, L.P. beneficially owns \$5,000,000 aggregate principal amount of Notes, convertible into 523,560 shares of Common Stock and (iv) each of Highbridge Capital Management, LLC, Glenn Dubin and Henry Swieca may be deemed the beneficial owner of \$42,900,000 aggregate principal amount Notes, convertible into 4,492,144 shares of Common Stock issuable to Highbridge International LLC and Highbridge Convertible Opportunities Master Fund, L.P.

Highbridge Capital Management, LLC is the trading manager of Highbridge International LLC, Highbridge Convertible Arbitrage Master Fund, L.P. and Highbridge Convertible Opportunities Master Fund L.P. Glenn Dubin is the Chief Executive Officer of Highbridge Capital Management, LLC. Henry Swieca is the Chief Investment Officer of Highbridge Capital Management, LLC. The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of shares of Common Stock owned by another Reporting Person. In addition, each of Highbridge Capital Management, LLC, Glenn Dubin and Henry Swieca disclaims beneficial ownership of shares of Common Stock owned by Highbridge International LLC and Highbridge Convertible Opportunities Master Fund, L.P.

(b) Percent of class:

Based on the Company's Quarterly Report for the quarterly period ended September 30, 2008 filed on Form 10-Q on November 6, 2008, there were 44,953,665 shares of Common Stock outstanding as of November 3, 2008. Therefore, based on the Company's outstanding shares of Common Stock and the Common Stock issuable upon the conversion of the Notes, (i) Highbridge International LLC beneficially owns approximately 8.11% of the outstanding shares of Common Stock of the Company, (ii) Highbridge Convertible Arbitrage Master Fund L.P. no longer beneficially owns any shares of Common Stock of the Company, (iii) Highbridge Convertible Opportunities Master Fund, L.P. beneficially owns approximately 1.15% of the outstanding shares of Common Stock of the Company and (iv) each of Highbridge Capital Management, LLC, Glenn Dubin and Henry Swieca may be deemed to beneficially own approximately 9.08% of the outstanding shares of Common Stock of the Company. The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of shares of Common Stock owned by another Reporting Person.

- (c) Number of shares as to which such person has:
 - (i) Sole power to vote or to direct the vote
 - (ii) Shared power to vote or to direct the vote See Item 4(a)
 - (iii) Sole power to dispose or to direct the disposition of $$\sf n$$

CUSIP No. 293904108

13G/A

Page 10 of 12 Pages

(iv) Shared power to dispose or to direct the disposition of See Item $4\,\mbox{(a)}$

Item 5. Ownership of Five Percent of Less of a Class

As of the date hereof, Highbridge Convertible Arbitrage Master Fund, L.P. no longer beneficially owns any shares of Common Stock of the Company and has ceased to be a Reporting Person with respect to the shares of Common Stock.

Exhibits:

Exhibit I: Joint Filing Agreement, dated as of February 12, 2009, by and among Highbridge International LLC, Highbridge Convertible Opportunities Master Fund, L.P., Highbridge Capital Management, LLC, Glenn Dubin and Henry Swieca.

CUSIP No. 293904108

13G/A

Page 11 of 12 Pages

SIGNATURES

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

Dated: February 12, 2007

HIGHBRIDGE INTERNATIONAL LLC

HIGHBRIDGE CONVERTIBLE ARBITRAGE

MASTER FUND, L.P.

By: Highbridge Capital Management, LLC

its Trading Manager

By: Highbridge Capital Management, LLC

its Trading Manager

By: /s/ John Oliva

Name: John Oliva

By: /s/ John Oliva

Title: Managing Director

Name: John Oliva Title: Managing Director

HIGHBRIDGE CAPITAL MANAGEMENT, LLC

By: /s/ John Oliva

/s/ Henry Swieca

Name: John Oliva

HENRY SWIECA

Title: Managing Director

/s/ Glenn Dubin

GLENN DUBIN

HIGHBRIDGE CONVERTIBLE OPPORTUNITIES MASTER FUND, L.P.

By: Highbridge Capital Management, LLC its Trading Manager

By: /s/ John Oliva

Name: John Oliva

Title: Managing Director

CUSIP No. 293904108

13G/A

Page 12 of 12 Pages

EXHIBIT I

JOINT FILING AGREEMENT

This will confirm the agreement by and among the undersigned that the Schedule 13G filed with the Securities and Exchange Commission on or about the date hereof with respect to the beneficial ownership by the undersigned of the Common Stock, \$0.01 par value, of Enzon Pharmaceuticals, Inc., is being filed, and all

amendments thereto will be filed, on behalf of each of the persons and entities named below in accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

Dated as of February 12, 2009

HIGHBRIDGE INTERNATIONAL LLC

HIGHBRIDGE CAPITAL MANAGEMENT, LLC

By: Highbridge Capital Management, LLC

its Trading Manager

By: /s/ John Oliva

Name: John Oliva

Title: Managing Director

By: /s/ John Oliva

Name: John Oliva

Title: Managing Director

/s/ Glenn Dubin

/s/ Henry Swieca

GLENN DUBIN

HENRY SWIECA

/s/ Henry Swieca

HENRY SWIECA

HIGHBRIDGE CONVERTIBLE OPPORTUNITIES MASTER FUND, L.P.

By: Highbridge Capital Management, LLC its Trading Manager

By: /s/ John Oliva

Name: John Oliva

Title: Managing Director