SECTORAL ASSET MANAGEMENT INC Form SC 13G February 13, 2007

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Original Filing)*

CRITICAL THERAPEUTICS INC.

(Name of Issuer)

COMMON STOCK

(Title of Class of Securities)

22674T105

(CUSIP Number)

DECEMBER 31, 2006

(Date of Event Which Requires Filing of this Statement)

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

x Rule 13d-1(b)

- o Rule 13d-1(c)
- o 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 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).

CUSIP No. 22674T105

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Sectoral Asset Management Inc.				
2.	Check the Appropriate Box if a Member of a Group (See Instructions)				
	(a)	0			
	(b)	0			
3.	SEC Use Only				
4.	Citizenship or Place of Organization Canada				
	5.		Sole Voting Power 813,004		
Number of					
Shares	6.		Shared Voting Power		
Beneficially Owned by			1,093,000		
Each	7.		Sole Dispositive Power		
Reporting	7.		2,603,004		
Person With			2,005,004		
	8.		Shared Dispositive Power -0-		
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,603,004				
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) 0				
11.	Percent of Class Represented by Amount in Row (9) 6.2%				
12.	Type of Reporting Person (See Instructions) IA				
2					

CUSIP No. 22674T105

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Jérôme G. Pfund			
2.	Check the Appropriate Box if a Member of a Group (See Instructions)			
	(a)	0		
	(b)	0		
3.	SEC Use Only			
4.	Citizenship or Place of Organization Swiss			
	5.		Sole Voting Power 813,004	
Number of				
Shares	6.		Shared Voting Power	
Beneficially			1,093,000	
Owned by				
Each	7.		Sole Dispositive Power	
Reporting			2,603,004	
Person With	8.		Shared Dispesitive Dewer	
	о.		Shared Dispositive Power -0-	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person 2,603,004			
10.	Check if the Aggregate Amount in Row (9) Excludes Certain Shares (See Instructions) O			
11.	Percent of Class Represented by Amount in Row (9) 6.2%			
12.	Type of Reporting Person (See Instructions) IN			
2				

CUSIP No. 22674T105

1.	Names of Reporting Persons. I.R.S. Identification Nos. of above persons (entities only) Michael L. Sjöström			
2.	Check the Appropriate Box if a Member of a Group (See Instructions)			
	(a)	0		
	(b)	0		
3.	SEC Use Only			
4.	Citizenship or Place of Organization Swiss			
	5.		Sole Voting Power	
			813,004	
Number of	6.		Sharad Voting Dowar	
Shares Beneficially	0.		Shared Voting Power 1,093,000	
Owned by			1,095,000	
Each	7.		Sole Dispositive Power	
Reporting			2,603,004	
Person With				
	8.		Shared Dispositive Power	
			-0-	
9.	Aggregate Amount Beneficially Owned by Each Reporting Person			
	2,603,004			
10.	Charle if the Agence	to Amount in Dovy (0) E	Waludas Cartain Sharas (Sas Instructions)	
10.	Check if the Aggrega	te Allount III Row (9) E	Excludes Certain Shares (See Instructions) O	
11.	Percent of Class Represented by Amount in Row (9)			
	6.2%			
12.	Type of Reporting Person (See Instructions)			
	IN			

Item 1.			
	(a)	Name of Issuer	
	(b)	Critical Therapeutics Inc. Address of Issuer s Principal	Executive Offices
	(0)	60 WestView Street, Lexingto	
Item 2.	(a)	Nome of Darson Filing	
	(a)	Name of Person Filing Sectoral Asset Management Ir	ic.
		beetorur risset istuniugement n	
		Jérôme G. Pfund	
		Michael L. Sjöström	
	(b)	Address of Principal Business	
		The principal business address	s of each person filing is:
		2120-1000 Sherbrooke St. We	st Montreal PQ H3A 3G4 Canada
	(c)	Citizenship	
		Sectoral Asset Management In	nc. is a Canadian corporation
		Jérôme G. Pfund is a Swiss cit	1720
		Jerome O. Frund is a Swiss ch	lizen
		Michael L. Sjöström is a Swis	s citizen
	(d)	Title of Class of Securities	
		Common Stock	
	(e)	CUSIP Number	
		22674T105	
Item 3.	If this statement is file	ed pursuant to §§240.13d-1(b) o	r 240.13d-2(b) or (c), check whether the person filing is a:
	(a)	0	Broker or dealer registered under section 15 of the Act (15 U.S.C.
		0	780).
	(b)	0	Bank as defined in section $3(a)(6)$ of the Act (15 U.S.C. 78c).
	(c)	0	Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
	(d)	0	Investment company registered under section 8 of the Investment
			Company Act of 1940 (15 U.S.C 80a-8).
	(e)	х	An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
	(f)	0	An employee benefit plan or endowment fund in accordance with
	(g)	v	§240.13d-1(b)(1)(ii)(F); A parent holding company or control person in accordance with §
	(g)	X	240.13d-1(b)(1)(ii)(G);
	(h)	0	A savings associations as defined in Section 3(b) of the Federal
			Deposit Insurance Act (12 U.S.C. 1813);
	(i)	0	A church plan that is excluded from the definition of an investment
			company under section $3(c)(14)$ of the Investment Company Act of 1040 (15 U S C 200 3):
	(j)	0	1940 (15 U.S.C. 80a-3); Group, in accordance with §240.13d-1(b)(1)(ii)(J).
	07	U U	

Sectoral Asset Ma stock of the Issuer	nagement Inc, in its ca set forth in this filing. et Management, Inc. an	pacity as an investment adviser, Jérôme G. Pfund and Michael I	ercentage of the class of securities of the issuer identified in Item 1. has the sole right to dispose of or vote the number of shares of common Sjöström are the sole shareholders of Sectoral Asset Management isclaim beneficial ownership of the Issuer s common stock held by
	(a)	Amount beneficially owned:	
	(b)	Sectoral Asset Management Inc.: 2,603,004 shares Jérôme G. Pfund: 2,603,004 shares Michael L. Sjöström: 2,603,004 shares Percent of class:	
	(c)	Sectoral Asset Management Jérôme G. Pfund: 6.2% Michael L. Sjöström: 6.2% Number of shares as to whic	
		(i)	Sole power to vote or to direct the vote
			Sectoral Asset Management Inc.: 813,004 shares Jérôme G. Pfund: 813,004 shares Michael L. Sjöström: 813,004 shares
		(ii)	Shared power to vote or to direct the vote
		(iii)	Sectoral Asset Management Inc.: 1,093,000 shares Jérôme G. Pfund: 1,093,000 shares Michael L. Sjöström: 1,093,000 shares Sole power to dispose or to direct the disposition of
			Sectoral Asset Management Inc.: 2,603,004 shares Jérôme G. Pfund: 2,603,004 shares
		(iv)	Michael L. Sjöström: 2,603,004 shares Shared power to dispose or to direct the disposition of
			Not applicable.
	-		the reporting person has ceased to be the beneficial owner of more than
Item 6.	Ownership of More than Five Percent on Behalf of Another Person Various persons, as investment advisory clients of Sectoral Asset Management, Inc., have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the common stock of the Issuer. To the knowledge of Sectoral Asset Management, Inc., no one such person s interest in the common stock of the Issuer is more than five percent of the total outstanding common stock of the Issuer.		
Item 7.	Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company or Control Person		

Item 8. Identification and Classification of Members of the Group Not applicable.

Item 9. Notice of Dissolution of Group

Not applicable.

Not applicable.

Item 10. Certification

By signing below the undersigned each certifies that, to the best knowledge and belief of the undersigned, the securities referred to above were acquired and are held in the ordinary course of business and 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.

SIGNATURE

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

Dated: February 2, 2007

SECTORAL ASSET MANAGEMENT INC.

/s/Jérôme G. Pfund By: Jérôme G. Pfund Its: CEO

Dated: February 2, 2007

Dated: February 2, 2007

/s/Jérôme G. Pfund Jérôme G. Pfund

/s/Michael L. Sjöström Michael L. Sjöström

Exhibit A

AGREEMENT

Each of the undersigned, pursuant to Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended, hereby agrees that only one statement containing the information required by Schedule 13G needs be filed with respect to the ownership by each of the undersigned of the shares of common stock of Critical Therapeutics Inc., and that the Schedule 13G to which this Agreement is appended as <u>Exhibit A</u> is to be filed with the Securities and Exchange Commission on behalf of each of the undersigned on or about the date hereof.

EXECUTED as a sealed instrument this 2nd day of February 2007.

SECTORAL ASSET MANAGEMENT INC.

/s/Jérôme G. Pfund By: Jérôme G. Pfund Its: CEO

/s/Jérôme G. Pfund Jérôme G. Pfund

/s/Michael L. Sjöström Michael L. Sjöström