MEDICINES CO /DE Form SC 13G July 13, 2007

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UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, DC 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No.____) *

The Medicines Company (Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

584688105 (Cusip Number)

July 3, 2007 (Date of Event which Requires Filing of this Statement)

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

O Rule 13d-1(b)

X 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.

Edgar Filing: MEDICINES CO /DE - Form SC 13G

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).

(Continued on following pages)

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Exhibit Index Found on Page 27

13G			
CUSIP N	o. 584688105		
	NAMES OF REPOR	TING PERSONS	
1	I.R.S. IDENTIFICAT	TION NO. OF ABOVE PERSONS (ENTITIES ONLY)	
	Farallon Capital Par CHECK THE APPR	tners, L.P. OPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)	
	(a) []		
2	(b) [X]**		
3	** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of securities. The reporting person on this cover page, however, is a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY		
	CITIZENSHIP OR PLACE OF ORGANIZATION		
4			
	California	SOLE VOTING POWER	
NUMBE	^{R OF} 5		
SHARES BENEFI		-0- SHARED VOTING POWER	
OWNED	_	434,500 SOLE DISPOSITIVE POWER	
EACH	7		
		-0- SHARED DISPOSITIVE POWER	
REPORT PERSON	X		
	AGGREGATE AMO	434,500 DUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9			
10	434,500 CHECK IF THE AG	GREGATE AMOUNT IN ROW (9) EXCLUDES	

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

0.8% TYPE OF REPORTING PERSON (See Instructions)

12

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13G			
CUSIP N	o. 58468810 5		
		F REPORTING PE	RSONS OF ABOVE PERSONS (ENTITIES ONLY)
1			
		pital Institutional H IE APPROPRIATE	Partners, L.P. E BOX IF A MEMBER OF A GROUP (See Instructions)
	(a) []		
2	(b) [X]**		
2		The reporting person ver page.	making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of n on this cover page, however, is a beneficial owner only of the securities reported by
3	CITIZENS	HIP OR PLACE O	FORGANIZATION
4			
	California	SOL	E VOTING POWER
NUMBEI	R OF	5	
SHARES		-0- SHA	RED VOTING POWER
BENEFIC		6	
OWNED	BY	335, SOL	000 JE DISPOSITIVE POWER
EACH		7	
		-0- Sha	RED DISPOSITIVE POWER
REPORT PERSON		8	
	AGGREGA	335, TE AMOUNT BEN	000 NEFICIALLY OWNED BY EACH REPORTING PERSON
9			
10	335,000 CHECK IF	THE AGGREGAT	'E AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

0.6% TYPE OF REPORTING PERSON (See Instructions)

12

PN

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13G		
CUSIP N	lo. 584688105	
	NAMES OF	REPORTING PERSONS
1	I.R.S. IDEN	TIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
	Farallon Ca CHECK TH	pital Institutional Partners II, L.P. E APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
	(a) []	
2	(b) [X]**	
2		reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of he reporting person on this cover page, however, is a beneficial owner only of the securities reported by ver page. NLY
3	CITIZENSI	IIP OR PLACE OF ORGANIZATION
4		
	California	SOLE VOTING POWER
NUMBE	R OF	5
SHARES BENEFI	CIALLY	-0- SHARED VOTING POWER 6
OWNED		U 35,900 SOLE DISPOSITIVE POWER
EACH		7
		-0- SHARED DISPOSITIVE POWER
REPORT PERSON		8
	AGGREGA	35,900 TE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
9		
10	35,900 CHECK IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

0.1% TYPE OF REPORTING PERSON (See Instructions)

12

PN

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13G		
CUSIP N	lo. 584688105	
	NAMES OF REPO	RTING PERSONS
1	I.R.S. IDENTIFICA	TION NO. OF ABOVE PERSONS (ENTITIES ONLY)
		stitutional Partners III, L.P. ROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
	(a) []	
2	(b) [X]**	
2		ng persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of rting person on this cover page, however, is a beneficial owner only of the securities reported by e.
3	CITIZENCIIID OD	
4	CITIZENSHIP OK	PLACE OF ORGANIZATION
	Delaware	SOLE VOTING POWER
NUMBE	^{R OF} 5	
SHARES BENEFI	CIALLY -	-0- SHARED VOTING POWER
OWNED	ови 6 Эву	
		25,900 SOLE DISPOSITIVE POWER
EACH	7	
		-0- SHARED DISPOSITIVE POWER
REPOR' PERSON		
	AGGREGATE AM	25,900 OUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
9		
10	25,900 CHECK IF THE A	GGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

0.1% TYPE OF REPORTING PERSON (See Instructions)

12

PN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 **Tinicum Partners, L.P.** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** ** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of securities. The reporting person on this cover page, however, is a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **New York** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 14,500 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 14.500 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 14,500 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

0.0% TYPE OF REPORTING PERSON (See Instructions)

12

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	13G		
	CUSIP N	0. 584688105	
		NAMES OF REPORT	ING PERSONS
	1	I.R.S. IDENTIFICAT	ION NO. OF ABOVE PERSONS (ENTITIES ONLY)
		Farallon Capital Offsh CHECK THE APPRC	nore Investors II, L.P. PRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
		(a) []	
	2	(b) [X]**	
			persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ng person on this cover page, however, is a beneficial owner only of the securities reported by
	3		
CITIZENS		CITIZENSHIP OR PI	ACE OF ORGANIZATION
	4		
		Cayman Islands	SOLE VOTING POWER
	NUMBEI	^{R OF} 5	
	SHARES BENEFIC	TALLY -	-0- SHARED VOTING POWER
	OWNED	0	
	OWNED	DI	536,417 SOLE DISPOSITIVE POWER
	EACH	7	
			-0- SHARED DISPOSITIVE POWER
	REPORT PERSON		
		AGGREGATE AMOU	536,417 JNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
	9		
	10	536,417 CHECK IF THE AGO	GREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

1.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G		
CUSIP N	lo. 584688105	
	NAMES OF R	EPORTING PERSONS
1	I.R.S. IDENTI	FICATION NO. OF ABOVE PERSONS (ENTITIES ONLY)
		al Management, L.L.C. APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions)
	(a) []	
2	(b) [X]**	
	securities. The	porting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of reporting person on this cover page, however, may be deemed a beneficial owner only of the securities n this cover page. Y
3		
4	CITIZENSHI	OR PLACE OF ORGANIZATION
	Delaware	SOLE VOTING POWER
NUMBE	^{R OF} 5	
SHARES BENEFI		-0- SHARED VOTING POWER
OWNED	_	1,219,883 SOLE DISPOSITIVE POWER
EACH	7	
		-0- SHARED DISPOSITIVE POWER
REPORT PERSON		
	AGGREGATE	1,219,883 AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON
9		
10	1,219,883 CHECK IF TH	E AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

2.4% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Farallon Partners, L.L.C. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 Delaware SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 1,382,217 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 1.382.217 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 1,382,217 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

2.7% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Chun R. Ding CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 William F. Duhamel CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 **Richard B. Fried** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Monica R. Landry CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 **Douglas M. MacMahon** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 William F. Mellin CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Stephen L. Millham CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Jason E. Moment CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Ashish H. Pant CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 India SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Rajiv A. Patel CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** ** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 **Derek C. Schrier** CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Thomas F. Steyer CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES** 10

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

IN

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13G CUSIP No. 584688105 NAMES OF REPORTING PERSONS I.R.S. IDENTIFICATION NO. OF ABOVE PERSONS (ENTITIES ONLY) 1 Mark C. Wehrly CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (See Instructions) (a) [] 2 (b) [X]** The reporting persons making this filing hold an aggregate of 2,602,100 Shares, which is 5.0% of the class of ** securities. The reporting person on this cover page, however, may be deemed a beneficial owner only of the securities reported by it on this cover page. SEC USE ONLY 3 CITIZENSHIP OR PLACE OF ORGANIZATION 4 **United States** SOLE VOTING POWER NUMBER OF 5 -0-SHARED VOTING POWER SHARES BENEFICIALLY 6 **OWNED BY** 2,602,100 SOLE DISPOSITIVE POWER 7 EACH -0-SHARED DISPOSITIVE POWER REPORTING 8 PERSON WITH 2,602,100 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 9 2,602,100 **CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES**

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EX

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

11

5.0% TYPE OF REPORTING PERSON (See Instructions)

12

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Item 1. Issuer

(a) <u>Name of Issuer</u>:

The Medicines Company (the Company)

(b) Address of Issuer s Principal Executive Offices:

8 Campus Drive, Parsippany, New Jersey 07054

Item 2. Identity And Background

Title Of Class Of Securities And CUSIP Number (Item 2(d) and (e))

This statement relates to shares of Common Stock, par value \$0.001 per share (the Shares), **th** company. The CUSIP number of the Shares is 584688105.

Name Of Persons Filing, Address Of Principal Business Office And Citizenship (Item 2(a), (b) and (c))

This statement is filed by the entities and persons listed below, all of whom together are referred to herein as the Reporting Persons.

The Farallon Funds

- (i) Farallon Capital Partners, L.P., a California limited partnership (FCP), with respect to the Shares held by it;
- (ii) Farallon Capital Institutional Partners, L.P., a California limited partnership (FCIP), with respect to the Shares held by it;
- (iii) Farallon Capital Institutional Partners II, L.P., a California limited partnership (FCIP II), with respect to the Shares held by it;
- (iv) Farallon Capital Institutional Partners III, L.P., a Delaware limited partnership (FCIP III), with respect to the Shares held by it;

- (v) Tinicum Partners, L.P., a New York limited partnership (Tinicum), with respect to the Shares held by it; and
- (vi) Farallon Capital Offshore Investors II, L.P., a Cayman Islands exempted limited partnership (FCOI II), with respect to the Shares held by it.

FCP, FCIP, FCIP II, FCIP III, Tinicum and FCOI II are together referred to herein as the Farallon Funds.

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The Management Company

(vii) Farallon Capital Management, L.L.C., a Delaware limited liability company (the Management Company), with respect to the Shares held by a certain account managed by the Management Company (the Managed Account).

The Farallon General Partner

 (viii) Farallon Partners, L.L.C., a Delaware limited liability company which is the general partner of each of the Farallon Funds (the Farallon General Partner), with respect to the Shares held by each of the Farallon Funds.

The Farallon Managing Members

(ix) The following persons who are managing members of both the Farallon General Partner and the Management Company, with respect to the Shares held by the Farallon Funds and the Managed Account: Chun R. Ding (Ding), William F. Duhamel (Duhamel), Richard B. Fried (Fried), Monica R. Landry (Landry), Douglas M. MacMahon (MacMahon), William F. Mellin (Mellin), Stephen L. Millham (Millham), Jason E. Moment (Moment), Ashish H. Pant (Pant), Rajiv A. Patel (Patel), Derek C. Schrier (Schrier), Thomas F. Steyer (Steyer) and Mark C. Wehrly (Wehrly).

Ding, Duhamel, Fried, Landry, MacMahon, Mellin, Millham, Moment, Pant, Patel, Schrier, Steyer and Wehrly are together referred to herein as the Farallon Individual Reporting Persons.

The citizenship of each of the Farallon Funds, the Management Company and the Farallon General Partner is set forth above. Each of the Farallon Individual Reporting Persons other than Pant is a citizen of the United States. Ashish H. Pant is a citizen of India. The address of the principal business office of each of the Reporting Persons is c/o Farallon Capital Management, L.L.C., One Maritime Plaza, Suite 2100, San Francisco, California 94111.

Item 3. <u>If This Statement Is Filed Pursuant To Sections 240.13d-1(b) or 240.13d-2(b) or (c).</u> Check Whether The Person Filing Is An Entity Specified In (a) - (j):

Not Applicable.

If This Statement Is Filed Pursuant To Section 240.13d-1(c), Check This Box. X

Item 4. Ownership

The information required by Items 4(a) - (c) and set forth in Rows 5 through 11 of the cover page for each Reporting Person hereto is incorporated herein by reference for each such Reporting Person.

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The Shares reported hereby for the Farallon Funds are owned directly by the Farallon Funds and those reported by the Management Company on behalf of the Managed Account are owned directly by the Managed Account. The Farallon General Partner, as general partner to the Farallon Funds, may be deemed to be the beneficial owner of all such Shares owned by the Farallon Funds. The Management Company, as investment adviser to the Managed Account, may be deemed to be the beneficial owner of all such Shares owned by the Managed Account. The Farallon Individual Reporting Persons, as managing members of both the Farallon General Partner and the Management Company with the power to exercise investment discretion, may each be deemed to be the beneficial owner of all such Shares owned by the Farallon Funds and the Managed Account. **Each of the Management Company, the Farallon General Partner and the Farallon Individual Reporting Persons hereby disclaims any beneficial ownership of any such Shares.**

Item 5. Ownership Of Five Percent Or Less Of A Class

Not Applicable.

Item 6. Ownership Of More Than Five Percent On Behalf Of Another Person

Not Applicable.

Item 7. Identification And Classification Of The Subsidiary Which Acquired The Security Being

Reported On By The Parent Holding Company

Not Applicable.

Item 8. Identification And Classification Of Members Of The Group

The Reporting Persons are filing this Schedule 13G pursuant to Section 240.13d-1(c). Consistent with Item 2 of the cover page for each Reporting Person above, the Reporting Persons neither disclaim nor affirm the existence of a group among them.

Item 9. Notice Of Dissolution Of Group

Not Applicable.

Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above 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.

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SIGNATURES

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

Dated: July 12, 2007

/s/ Monica R. Landry

FARALLON PARTNERS, L.L.C.,

On its own behalf and

as the General Partner of

FARALLON CAPITAL PARTNERS, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS II, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS III, L.P.,

TINICUM PARTNERS, L.P. and

FARALLON CAPITAL OFFSHORE INVESTORS II, L.P.

By Monica R. Landry,

Managing Member

/s/ Monica R. Landry

FARALLON CAPITAL MANAGEMENT, L.L.C.

By Monica R. Landry,

Managing Member

/s/ Monica R. Landry

Monica R. Landry, individually and as attorney-in-fact for

each of Chun R. Ding, William F. Duhamel, Richard B. Fried, Douglas M. MacMahon, William F. Mellin, Stephen L. Millham, Jason E. Moment, Ashish H. Pant, Rajiv A. Patel, Derek C. Schrier, Thomas F. Steyer and Mark C. Wehrly

The Powers of Attorney executed by Chun R. Ding, William F. Duhamel, Richard B. Fried, Monica R. Landry, Douglas M. MacMahon, William F. Mellin, Stephen L. Millham, Jason E. Moment, Ashish H. Pant, Rajiv A. Patel, Derek C. Schrier, Thomas F. Steyer, and Mark C. Wehrly authorizing Landry to sign and file this Schedule 13G on his or her behalf, which was filed with the Schedule 13D filed with the Securities and Exchange Commission on July 2, 2007 by such Reporting Persons with respect to the Common Stock of Armor Holdings, Inc., is hereby incorporated by reference.

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EXHIBIT INDEX

EXHIBIT 1

Joint Acquisition Statement Pursuant to Section 240.13d-1(k)

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EXHIBIT 1

to

SCHEDULE 13G

JOINT ACQUISITION STATEMENT

PURSUANT TO SECTION 240.13d-1(k)

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint acquisition statements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning him, her or it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the other entities or persons, except to the extent that he, she or it knows or has reason to believe that such information is inaccurate.

Dated: July 12, 2007

/s/ Monica R. Landry

FARALLON PARTNERS, L.L.C.,

On its own behalf and

as the General Partner of

FARALLON CAPITAL PARTNERS, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS II, L.P.,

FARALLON CAPITAL INSTITUTIONAL PARTNERS III, L.P.,

TINICUM PARTNERS, L.P. and Farallon Capital Offshore Investors II, L.P.

By Monica R. Landry,

Managing Member

/s/ Monica R. Landry

FARALLON CAPITAL MANAGEMENT, L.L.C.

By Monica R. Landry,

Managing Member

/s/ Monica R. Landry

Monica R. Landry, individually and as attorney-in-fact for

each of Chun R. Ding, William F. Duhamel, Richard B. Fried, Douglas M. MacMahon, William F. Mellin, Stephen L. Millham, Jason E. Moment, Ashish H. Pant, Rajiv A. Patel, Derek C. Schrier, Thomas F. Steyer and Mark C. Wehrly

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