NOVARTIS AG Form SC 13D/A June 18, 2010

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

SCHEDULE 13D/A

Under the Securities Exchange Act of 1934 (Amendment No. 4)*

Idenix Pharmaceuticals, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

45166R 20 4

(CUSIP Number)

Anthony A. Hoerning, Esq. Novartis Pharma AG Lichtstrasse 35 CH-4056 Basel, Switzerland +41 61 324 8323 Adam H. Golden, Esq. Kaye Scholer LLP 425 Park Avenue New York, New York 10022 (212) 259-8000

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

June 8, 2010

(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box. o

Note: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

The information required on this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Exchange Act) or otherwise subject to the liabilities of that section of the Exchange Act but shall be subject to all other provisions of the Exchange Act (however, see the Notes).

1	Name of Reporting Person I.R.S. Identification Nos. of Above Person (entities only)* NOVARTIS AG		
2	Check the Appropriate Bo (a) (b)	x if a Member of a Group* o o	
3	SEC Use Only		
4	Source of Funds* AF		
5	Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) o		
6	Citizenship or Place of Or SWITZERLAND	ganization	
	7	Sole Voting Power 0	
Number of Shares Beneficially	8	Shared Voting Power 31,324,187	
Owned by Each Reporting Person With	9	Sole Dispositive Power 0	
Person With	10	Shared Dispositive Power 31,324,187	
11	Aggregate Amount Beneficially Owned by Each Reporting Person 31,324,187		
12	Check Box if the Aggregat	te Amount in Row (11) Excludes Certain Shares* o	
13	Percent of Class Represent 43.0%	ted by Amount in Row (11)	
14	Type of Reporting Person's	;	

*SEE INSTRUCTIONS

1	Name of Reporting Person I.R.S. Identification Nos. of Above Person (entities only)* NOVARTIS PHARMA AG		
2	Check the Appropriate Bo (a) (b)	x if a Member of a Group* o o	
3	SEC Use Only		
4	Source of Funds* WC		
5	Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e) o		
6	Citizenship or Place of Org SWITZERLAND	ganization	
	7	Sole Voting Power 0	
Number of Shares Beneficially	8	Shared Voting Power 31,324,187	
Owned by Each Reporting Person With	9	Sole Dispositive Power 0	
Person With	10	Shared Dispositive Power 31,324,187	
11	Aggregate Amount Benefi 31,324,187	cially Owned by Each Reporting Person	
12	Check Box if the Aggregation	te Amount in Row (11) Excludes Certain Shares* o	
13	Percent of Class Represent 43.0%	ted by Amount in Row (11)	
14	Type of Reporting Person's	k	

*SEE INSTRUCTIONS

Item 1. Security and Issuer

This Amendment No. 4 to Schedule 13D (this Amendment) amends the initial statement on Schedule 13D filed with the Securities and Exchange Commission on July 27, 2004, as previously amended on September 7, 2005, November 2, 2005 and May 20, 2009 (the Original Schedule 13D) relating to Common Stock (the Common Stock), par value \$0.001 per share of Idenix Pharmaceuticals, Inc., a Delaware corporation (the Company). The address of the Company s principal executive offices is 60 Hampshire Street, Cambridge, Massachusetts 02139.

Except as otherwise described herein, the information contained in the Original Schedule 13D remains in effect. Capitalized terms used but not defined in this Amendment shall have the respective meanings set forth with respect thereto in the Original Schedule 13D.

Item 2. Identity and Background

No change except as described below.

(a) - (c) and (f) The name, business address, present principal occupation or employment and citizenship of the executive officers and members of the Board of Directors of each of the Reporting Persons is set forth on Schedule I hereto and is incorporated herein by reference.

(d) and (e) Neither the Reporting Persons nor, to the best knowledge of each of them, any of the persons listed on Schedule I hereto with respect to each such Reporting Person during the last five years, (i) has been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors) or (ii) was a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding was or is subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, federal or state securities laws or finding any violation with respect to such laws.

Item 3. Source and Amount of Funds or Other Consideration

No change except as described below.

Novartis Pharma acquired the following shares of Common Stock pursuant to the exercise of stock subscription rights under the Stockholders Agreement:

On August 21, 2009, Novartis Pharma acquired 3,571 shares of Common Stock for \$2.41 per share or an aggregate of \$8,606.11.

On February 26, 2010, Novartis Pharma acquired 1,872 shares of Common Stock for \$2.41 per share or an aggregate of \$4,511.52.

On June 8, 2010, Novartis Pharma acquired 1,351 shares of Common Stock for \$2.41 per share or an aggregate of \$3,255.91.

The source of funds for these acquisitions was Novartis Pharma s working capital.

Item 4. No change.	Purpose of Transaction
Item 5. No change except as described below.	Interest in Securities of the Issuer
	324,187 shares of Common Stock representing 43.0% of the outstanding shares of Common Novartis Pharma. Novartis has shared power to vote or direct the vote and shared power to Common Stock beneficially owned by it.
	er of 31,324,187 shares of Common Stock, representing 43.0% of the outstanding shares of er to vote or direct the vote and shared power to dispose or to direct the disposition of all t.
To the best knowledge of each of the Reporting Pothe beneficial owner of any shares of Common Sto	ersons, none of the persons listed on Schedule I hereto with respect to such Reporting Person is ock.
	3 neither the Reporting Persons nor, to the best knowledge of each of the Reporting Persons, ed in any transaction in the Common Stock in the past 60 days.
Item 6.	Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer
No change.	the 199der
Item 7. No change.	Material to be Filed as Exhibits
	5

SIGNATURES

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

Date: June 15, 2010

NOVARTIS AG

By:

/s/ Paul D. Burns Name: Paul D. Burns Title: Authorized Signatory

By:

/s/ Bruno Heynen Name: Bruno Heynen Title: Authorized Signatory

NOVARTIS PHARMA AG

By:

/s/ Anthony A. Hörning Name: Anthony A. Hörning

Title: Head, Global Alliance Management

By:

/s/ Sarah Clements Name: Sarah Clements

Title: Head, Legal General Medicines

SCHEDULE I to Form 13-D/A

DIRECTORS AND EXECUTIVE OFFICERS OF

NOVARTIS AND NOVARTIS PHARMA

DIRECTORS AND EXECUTIVE OFFICERS OF NOVARTIS

The name, address, citizenship and present principal occupation or employment of each of the directors and executive officers of Novartis are set forth below. Unless otherwise indicated below, each occupation set forth opposite an individual s name refers to employment with Novartis.

Name	Relationship to Novartis	Principal Occupation	Citizenship
Daniel Vasella, M.D	Chairman of the Board of Directors	Chairman of the Board of Directors	Swiss
Ulrich Lehner, Ph.D.	Vice Chairman and Lead Director of the Board of Directors	Member of Shareholder s Committee of Henkel AG & Co. KGaA, manufacturer and vendor of consumer products; Henkelstrasse 67, 40191 Düsseldorf, Germany	German
		Chairman of the of the Supervisory Board of Deutsche Telekom AG, provider of telecommunications services; Friedrich-Ebert-Allee 140, 53113 Bonn, Germany	
Hans-Jörg Rudloff	Vice Chairman of the Board of Directors	Chairman of Barclays Capital, provider of financial services; 5 The North Colonnade, Canary Wharf, London, E14 4BB, United Kingdom	German
William R. Brody	Director	President of the Salk Institute for Biological Studies, 10010 North Torrey Pines Road, La Jolla, CA 92037, USA	American
Srikant Datar, Ph.D.	Director	Senior Associate Dean; Morgan Hall 361, Harvard Business School, Soldiers Field Road, Boston, MA 02163, USA	American

Name	Relationship to Novartis	Principal Occupation	Citizenship
Ann Fudge	Director	Member of the Board of General Electric Company, diversified technology, media, and financial services corporation; 3135 Easton Turnpike, Fairfield, CT 06828, USA	American
		Trustee of The Rockefeller Foundation; 420 Fifth Avenue, New York, NY 10018, USA	
		Chair of the U.S. Program Advisory Panel of the Gates Foundation; PO Box 23350, Seattle, WA 98102, USA	
Alexandre F. Jetzer	Director	Consultant	Swiss
		Novartis International AG, 4002 Basel, Switzerland	
Pierre Landolt	Director	Chairman of the Sandoz Family Foundation; 85 Avenue Général-Guisan, CH-1009 Pully, Switzerland	Swiss
Andreas von Planta, Ph.D.	Director	Partner at the law firm of Lenz & Staehelin; Route de Chêne 30, CH-1211 Geneva 17, Switzerland	Swiss
Dr. Ing. Wendelin Wiedeking	Director	Director	German
Marjorie M. Yang	Director	Chairman and Chief Executive Officer of the Esquel Group, textile and apparel manufacturer; Esquel Enterprises Limited, 12/F, Harbour Centre, 25 Harbour Road, Wanchai, Hong Kong	Chinese
Rolf M. Zinkernagel, M.D.	Director	Professor at the Institute of Experimental Immunology, University of Zurich, Schmelzbergstrasse 12, CH-8091 Zurich, Switzerland	Swiss

Jürgen Brokatzky-Geiger, Ph.D.	Member of the Executive Committee, Head of Human Resources	Member of the Executive Committee, Head of Human Resources	German
David Epstein	Member of the Executive Committee, Head of Novartis Pharmaceuticals Division	Member of the Executive Committee, Head of Novartis Pharmaceuticals Division	American
Mark C. Fishman, M.D.	Member of the Executive Committee, President of the Novartis Institutes for BioMedical Research	Member of the Executive Committee, President of the Novartis Institutes for BioMedical Research	American
Jeff George	Member of the Executive Committee; Head of Sandoz Division	Member of the Executive Committee; Head of Sandoz Division	American
George Gunn, MRCVS	Member of the Executive Committee; Head of Novartis Consumer Health Division; Head of Novartis Animal Health Business Unit	Member of the Executive Committee; Head of Novartis Consumer Health Division; Head of Novartis Animal Health Business Unit	British
Joseph Jimenez	Member of the Executive Committee, Chief Executive Officer	Member of the Executive Committee, Chief Executive Officer	American
Andrin Oswald, M.D.	Member of the Executive Committee, head of Novartis Vaccine and Diagnostics Division	Member of the Executive Committee, head of Novartis Vaccine and Diagnostics Division	Swiss
Jon Symonds	Member of the Executive Committee, Chief Financial Officer	Member of the Executive Committee, Chief Financial Officer	British
Thomas Werlen, Ph.D.	Member of the Executive Committee, Group General Counsel	Member of the Executive Committee, Group General Counsel	Swiss

DIRECTORS AND EXECUTIVE OFFICERS OF NOVARTIS PHARMA

The name, address, citizenship and present principal occupation or employment of each of the directors and executive officers of Novartis Pharma are set forth below. Unless otherwise indicated below, each occupation set forth opposite an individual s name refers to employment with Novartis Pharma.

Name	Relationship to Novartis Pharma	Principal Occupation	Citizenship
Daniel Vasella, M.D.	Chairman of the Board of Directors	Chairman of the Board of Directors of Novartis	Swiss
Director			
Jon Symonds	Chief Financial Officer	Chief Financial Officer of Novartis	British
Director			
Joseph Jimenez	Chief Executive Officer	Chief Executive Officer of Novartis	American
Director			
Thomas Werlen, Ph.D.	Group General Counsel	Group General Counsel	Swiss
Director			

10

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the persons named below agrees to the joint filing of a Statement on Schedule 13D (including amendments thereto) with respect to the common stock, par value \$0.001 per share, of Idenix Pharmaceuticals, Inc., a Delaware corporation.

Date: June 15, 2010

NOVARTIS AG

By:

/s/ Paul D. Burns Name: Paul D. Burns Title: Authorized Signatory

By:

/s/ Bruno Heynen Name: Bruno Heynen Title: Authorized Signatory

NOVARTIS PHARMA AG

By:

/s/ Anthony A. Hörning Name: Anthony A. Hörning

Title: Head, Global Alliance Management

By:

/s/ Sarah Clements Name: Sarah Clements

Title: Head, Legal General Medicines