| Anacor Pharmaceuticals, Inc. Form SC 13D/A August 14, 2015 |
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| UNITED STATES |
| SECURITIES AND EXCHANGE COMMISSION |
| Washington, D.C. 20549 |
| SCHEDULE 13D |
| Under the Securities Exchange Act of 1934 |
| (Amendment No. 3)* |
| ANACOR PHARMACEUTICALS, INC. (Name of Issuer) |
| Common Stock, \$0.001 Par Value |
| (Title of Class of Securities) |
| 032420 101 |
| (CUSIP Number) |
| Victoria A. Whyte |

GlaxoSmithKline plc

| വളവ | Great | West | Road |
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Brentford, Middlesex TW8 9GS

England

Telephone: +44 (0)208 047 5000

(Name, Address and Telephone Number of Person Authorized to

Receive Notices and Communications)

August 13, 2015

(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 §§240.13d-1(e), 240.13d-1(f) or 240.13d-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 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 disclosures provided in a prior cover page.

The information required on 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).

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1. Names of Reporting Persons.

GlaxoSmithKline plc

2. Check the Appropriate Box if a Member of a

Group

(a) o (b) o

3. SEC Use Only

4. Source of Funds

WC

5. Check if Disclosure of Legal Proceedings Is Required Pursuant to Items 2(d) or 2(e)

0

6. Citizenship or Place of Organization

England and Wales

7. Sole Voting Power

2,171,374

Number of Shares

8. Shared Voting Power

Beneficially

-0-

Owned by Each Reporting

9. Sole Dispositive Power

Person With:

2,171,374

10. Shared Dispositive Power

-0-

11. Aggregate Amount Beneficially Owned by Each Reporting Person

2,171,374 (1)

12. Check if the Aggregate Amount in Row (11) Excludes Certain Shares

)

13. Percent of Class Represented by Amount in Row (11)

4.9% (2)

| 14. Type of Reporting Person |
|---|
| CO |
| |
| Footnotes: |
| |
| (1) Shares of Common Stock held of record by GlaxoSmithKline LLC, an indirect, wholly-owned subsidiary of the Reporting Person. |
| |
| (2) Based on 44,023,338 shares of Common Stock outstanding as of August 3, 2015. |
| |

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ITEM 1. SECURITY AND ISSUER

This Amendment No. 3 to Schedule 13D amends and supplements the statement on Schedule 13D originally filed on December 10, 2010 (as amended by Amendment No. 1 filed on March 1, 2013 and Amendment No. 2 filed on February 13, 2015, the "Schedule 13D" and as amended by this Amendment No. 3, the "Statement"), with respect to the shares of common stock, par value \$0.001 per share (the "Common Stock"), of Anacor Pharmaceuticals, Inc., a Delaware corporation (the "Issuer"). The Issuer's principal executive offices are located at 1020 East Meadow Circle, Palo Alto, CA 94303-4230. Unless otherwise indicated, each capitalized term used but not defined herein shall have the meaning assigned to such term in the Schedule 13D.

ITEM 2. IDENTITY AND BACKGROUND

The response set forth in Item 2 of the Schedule 13D is hereby amended by deleting Schedule 1 as attached to Amendment No. 1 in its entirety, and replacing it with Schedule 1 attached hereto.

ITEM 5. INTEREST IN SECURITIES OF THE ISSUER

The responses set forth in Items 5(a), (c) and (e) of the Schedule 13D are hereby amended by deleting the previous responses to such Items in their entirety and replacing them with the following:

- (a) The Reporting Person beneficially owns 2,171,374 shares of Common Stock, which represents 4.9% of the 44,023,338 shares of Common Stock outstanding as of August 3, 2015.
- (c) On August 13, 2015, GlaxoSmithKline LLC, the record holder of the shares of Common Stock, sold an aggregate of 600,000 shares of Common Stock at a price per share (net of commissions) of \$135.95 in a privately negotiated transaction.
- (e) The Reporting Person has ceased to be the beneficial owner of more than five percent of the Common Stock. Therefore, this is the final amendment to the Statement and an exit filing for the Reporting Person.

CUSIP No. 032420 101 SCHEDULE 13D/A3

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SIGNATURE

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.

Dated: August 14, 2015

GLAXOSMITHKLINE PLC

/s/ Victoria A. Whyte

By: Victoria A. Whyte

Title: Company Secretary

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Schedule I

| Name | Business Address | Principal Occupation or Employment | Citizenship |
|--------------------------------------|--|--|------------------------|
| Board of Directors Sir Andrew Witty | 980 Great West Road Brentford Middlesex, England TW8 9GS 980 Great West | Executive Director and Chief Executive Officer | British |
| Simon Dingemans | Road Brentford Middlesex, England TW8 9GS 980 Great West Road | Executive Director and Chief Financial Officer | British |
| Dr. Moncef Slaoui | Brentford Middlesex, England TW8 9GS | Executive Director and Chairman Global Vaccines | Moroccan, Belgian & US |
| Sir Philip Hampton | 980 Great West Road Brentford Middlesex, England TW8 9GS 980 Great West | Chairman and Company Director | British |
| Professor Sir Roy Anderson | Road Brentford Middlesex, England TW8 9GS 980 Great West Road | Company Director | British |
| Dr. Stephanie Burns | Brentford Middlesex, England TW8 9GS | Company Director | US |
| Stacey Cartwright | 980 Great West Road Brentford | Company Director | British |

US

Middlesex, England

TW8 9GS

980 Great West

Road

Judy Lewent Brentford Company Director

Middlesex, England

TW8 9GS 980 Great West

Road

Sir Deryck Maughan Brentford Company Director British

Middlesex, England

TW8 9GS

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980 Great West Road

Dr. Daniel Podolsky Brentford Middlesex, England Company Director US

TW8 9GS

980 Great West Road

Lynn Elsenhans

Brentford

Company Director US

Company Director US

Middlesex, England

TW8 9GS

980 Great West Road

Hans Wijers Brentford

Middlesex, England

TW8 9GS

Company Director Dutch

980 Great West Road

Brentford

Middlesex, England

Urs Rohner
TW8 9GS
Company Director Swiss

Corporate

Executive Team

Simon Dingemans

980 Great West

Road

Sir Andrew Witty Brentford

Executive Director and Chief Executive

Middlesex, England Officer

TW8 9GS

980 Great West

Road

Brentford Executive Director and Chief Financial

Middlesex, England Officer

TW8 9GS

Dr. Moncef Slaoui 980 Great West Executive

Executive Director Moroccan, Belgian &

British

British

Road Chairman Global Vaccines US

Brentford

Middlesex, England

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| 98 | 30 Great |
|----|----------|
| W | est Road |

Senior Vice President, Brentford Nick

Global Ethics and Hirons **British** Compliance Middlesex

TW8 9GS

President, Global 150 Beach Pharmaceuticals

Road Abbas **British** 22-00

Hussain Gateway West

189720 Singapore 980 Great West Road

David Brentford **Chief Strategy Officer British** Redfern Middlesex,

England **TW8 9GS** 980 Great West Road

Claire Brentford Senior Vice President, **British Human Resources**

Thomas Middlesex, England **TW8 9GS**

980 Great

West Road Senior Vice Brentford

Philip President, Communications British Thomson Middlesex, and Government Affairs

England **TW8 9GS**

The Navy Senior Vice President & US

Daniel Yard Troy General Counsel

> 5 Crescent Drive

Philadelphia,

PA 19112 980 Great West Road President, Pharmaceuticals Dr. PatrickBrentford British Vallance Middlesex, R&D England TW8 9GS 980 Great West Road Emma Brentford Chief Executive Officer, **British GSK Consumer Healthcare** Walmsley Middlesex, England TW8 9GS 980 Great West Road President, Global Roger Brentford Irish Connor Middlesex, Manufacturing & Supply England TW8 9GS