

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

SCHEDULE 13G
(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1 (b), (c) AND (d) AND
AMENDMENTS THERETO FILED PURSUANT TO 13d-2 (b)
(Amendment No.)*

Inogen, Inc.

(Name of Issuer)

Common Stock

(Title of Class of Securities)

45780L104

(CUSIP Number)

December 31, 2014

(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)
 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 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).

CUSIP No. 45780L104

13G

1 Names of Reporting Persons.
Versant Affiliates Fund II-A, L.P.

2 Check the Appropriate Box if a Member of a Group*

- (a)
(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
Delaware, United States of America

5 Sole Voting Power
31,334 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0 shares

7 Sole Dispositive Power
31,334 shares of Common Stock (2)

8 Shared Dispositive Power
0 shares

9 Aggregate Amount Beneficially Owned by Each Reporting Person
31,334 shares of Common Stock (2)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
0.2% (3)

12 Type of Reporting Person*
PN

-
- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) VV II serves as the sole general partner of VAF II-A and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, BJB, CMW and BNL are managing directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A; however, they disclaim beneficial ownership of the shares held by VAF II-A except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.
- (3) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

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1 Names of Reporting Persons.
Versant Side Fund II, L.P.

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
Delaware, United States of America

5 Sole Voting Power
14,764 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0 shares

7 Sole Dispositive Power
14,764 shares of Common Stock (2)

8 Shared Dispositive Power
0 shares

9 Aggregate Amount Beneficially Owned by Each Reporting Person
14,764 shares of Common Stock (2)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
0.1% (3)

12 Type of Reporting Person*
PN

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.
- (2) VV II serves as the sole general partner of VSF II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, BJB, CMW and BNL are managing directors and/or members of VV II and share voting and dispositive power over the shares held by VSF II; however, they disclaim beneficial ownership of the shares held by VSF II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.
- (3) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

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1 Names of Reporting Persons.
Versant Venture Capital II, L.P.

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
Delaware, United States of America

5 Sole Voting Power
1,652,852 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
0 shares

7 Sole Dispositive Power
1,652,852 shares of Common Stock (2)

8 Shared Dispositive Power
0 shares

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,652,852 shares of Common Stock (2)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
8.9% (3)

12 Type of Reporting Person*
PN

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) VV II serves as the sole general partner of VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, BJB, CMW and BNL are managing directors and/or members of VV II and share voting and dispositive power over the shares held by VVC II; however, they disclaim beneficial ownership of the shares held by VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.
- (3) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

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1 Names of Reporting Persons
Versant Ventures II, LLC

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
Delaware, United States of America

5 Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
1,698,950 shares of Common Stock (2)

7 Sole Dispositive Power
0 shares

8 Shared Dispositive Power
1,698,950 shares of Common Stock (2)

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,698,950 shares of Common Stock (2)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
9.1% (3)

12 Type of Reporting Person*
OO

- (1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.
- (2) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, BJB, CMW and BNL are managing directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.
- (3) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

13G

1 Names of Reporting Persons
Brian G. Atwood

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
United States of America

5 Sole Voting Power
38,295 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
1,698,950 shares of Common Stock (3)

7 Sole Dispositive Power
38,295 shares of Common Stock (2)

8 Shared Dispositive Power
1,698,950 shares of Common Stock (3)

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,737,245 shares of Common Stock (2)(3)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
9.3% (4)

12 Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) Includes 38,295 shares held by Atwood-Edminster Trust dtd 4/2/2000 for the benefit of BGA.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. BGA is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

13G

1 Names of Reporting Persons
Samuel D. Colella

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
United States of America

5 Sole Voting Power
36,331 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
1,698,950 shares of Common Stock (3)

7 Sole Dispositive Power
36,331 shares of Common Stock (2)

8 Shared Dispositive Power
1,698,950 shares of Common Stock (3)

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,735,281 shares of Common Stock (2)(3)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9

12 Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL" and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) Includes (i) 1,020 shares held by the Colella Family Partners for the benefit of SDC; (ii) 16,668 shares held by the Colella Family Trust UTA Dtd. 9/21/92 for the benefit of SDC; and (iii) 18,643 shares held by Colella Partners, L.P. for the benefit of SDC.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. SDC is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

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1	Names of Reporting Persons	Ross A. Jaffe
2	Check the Appropriate Box if a Member of a Group*	
	(a) <input type="checkbox"/>	
	(b) <input checked="" type="checkbox"/> (1)	
3	SEC Use Only	
4	Citizenship or Place of Organization	United States of America
5	Sole Voting Power	38,553 shares of Common Stock (2)
6	Shared Voting Power	1,698,950 shares of Common Stock (3)
7	Sole Dispositive Power	38,553 shares of Common Stock (2)
8	Shared Dispositive Power	1,698,950 shares of Common Stock (3)
9	Aggregate Amount Beneficially Owned by Each Reporting Person	1,737,503 shares of Common Stock (2)(3)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* <input type="checkbox"/>	
11	Percent of Class Represented by Amount in Row 9	9.3% (4)

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) Includes 38,553 shares held by the Jaffe Family Trust Dtd. 7/9/91 for the benefit of RAJ.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. RAJ is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

CUSIP No. 45780L104

13G

1 Names of Reporting Persons
William J. Link

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
United States of America

5 Sole Voting Power
38,553 shares of Common Stock (2)

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
1,698,950 shares of Common Stock (3)

7 Sole Dispositive Power
38,553 shares of Common Stock (2)

8 Shared Dispositive Power
1,698,950 shares of Common Stock (3)

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,737,503 shares of Common Stock (2)(3)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
9.3% (4)

12 Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) Includes 38,553 shares held by the Link Family Trust, dated May 19, 2005 for the benefit of WJL.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. WJL is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

CUSIP No. 45780L104

13G

1	Names of Reporting Persons Donald B. Milder
2	Check the Appropriate Box if a Member of a Group* (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> (1)
3	SEC Use Only
4	Citizenship or Place of Organization United States of America
	5 Sole Voting Power 11,870 shares of Common Stock (2)
Number of Shares Beneficially Owned by Each Reporting Person With	6 Shared Voting Power 1,698,950 shares of Common Stock (3)
	7 Sole Dispositive Power 11,870 shares of Common Stock (2)
	8 Shared Dispositive Power 1,698,950 shares of Common Stock (3)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,710,820 shares of Common Stock (2)(3)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* <input type="checkbox"/>
11	Percent of Class Represented by Amount in Row 9 9.2% (4)
12	Type of Reporting Person* IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) Includes 11,870 shares held by the Milder Community Property Trust DTD 11/7/91, amended and restated 11/20/98, amended 3/20/01 for the benefit of DBM.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. DBM is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

CUSIP No. 45780L104

13G

1	Names of Reporting Persons	Rebecca B. Robertson
<hr/>		
2	Check the Appropriate Box if a Member of a Group*	
(a)	<input type="checkbox"/>	
(b)	<input checked="" type="checkbox"/> (1)	
<hr/>		
3	SEC Use Only	
<hr/>		
4	Citizenship or Place of Organization	United States of America
<hr/>		
	5	Sole Voting Power 4,280 shares of Common Stock (2)
	6	Shared Voting Power 1,698,950 shares of Common Stock (3)
Number of Shares Beneficially Owned by Each Reporting Person With	7	Sole Dispositive Power 4,280 shares of Common Stock (2)
	8	Shared Dispositive Power 1,698,950 shares of Common Stock (3)
<hr/>		
9	Aggregate Amount Beneficially Owned by Each Reporting Person	1,703,230 shares of Common Stock (2)(3)
<hr/>		
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*	<input type="checkbox"/>
<hr/>		
11	Percent of Class Represented by Amount in Row 9	9.1% (4)
<hr/>		
12	Type of Reporting Person*	IN
<hr/>		

L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) Includes 4,280 shares held by The Robertson Family Trust U/D/T 5/7/98 for the benefit of RBR.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. RBR is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, she disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of her pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

CUSIP No. 45780L104

13G

1	Names of Reporting Persons	Bradley J. Bolzon
2	Check the Appropriate Box if a Member of a Group*	
	(a)	<input type="checkbox"/>
	(b)	<input checked="" type="checkbox"/> (1)
3	SEC Use Only	
4	Citizenship or Place of Organization	Canada
	5	Sole Voting Power 35,446 shares of Common Stock (2)
Number of Shares Beneficially Owned by Each Reporting Person With	6	Shared Voting Power 1,698,950 shares of Common Stock (3)
	7	Sole Dispositive Power 35,446 shares of Common Stock (2)
	8	Shared Dispositive Power 1,698,950 shares of Common Stock (3)
	9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,734,396 shares of Common Stock (2)(3)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* <input type="checkbox"/>	
11	Percent of Class Represented by Amount in Row 9	9.3% (4)
12	Type of Reporting Person*	IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe

(“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the “Reporting Persons”). The Reporting Persons expressly disclaim status as a “group” for purposes of this Schedule 13G.

(2) Includes 35,446 shares held by BJB.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. BJB is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer’s most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

CUSIP No. 45780L104

13G

1 Names of Reporting Persons
Charles M. Warden

2 Check the Appropriate Box if a Member of a Group*

(a)

(b) (1)

3 SEC Use Only

4 Citizenship or Place of Organization
United States of America

5 Sole Voting Power
0 shares

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

6 Shared Voting Power
1,698,950 shares of Common Stock (2)

7 Sole Dispositive Power
0 shares

8 Shared Dispositive Power
1,698,950 shares of Common Stock (2)

9 Aggregate Amount Beneficially Owned by Each Reporting Person
1,698,950 shares of Common Stock (2)

10 Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares*

11 Percent of Class Represented by Amount in Row 9
9.1% (3)

12 Type of Reporting Person*
IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership (“VAF II-A”), Versant Side Fund II, L.P., a Delaware limited partnership (“VSF II”), Versant Venture Capital II, L.P., a Delaware limited partnership (“VVC II”), Versant Ventures II, LLC, a Delaware limited liability company (“VV II”), Brian G. Atwood (“BGA”), Samuel D. Colella (“SDC”), Ross A. Jaffe (“RAJ”), William J. Link (“WJL”), Donald B. Milder (“DBM”), Rebecca B. Robertson (“RBR”), Bradley J. Bolzon (“BJB”), Charles M. Warden (“CMW”), Barbara N. Lubash (“BNL” and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ,

WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

- (2) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. CMW is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, he disclaims beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of his pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.
- (3) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

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CUSIP No. 45780L104

13G

1	Names of Reporting Persons Barbara N. Lubash
2	Check the Appropriate Box if a Member of a Group* (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> (1)
3	SEC Use Only
4	Citizenship or Place of Organization United States of America
	5 Sole Voting Power 7,946 shares of Common Stock (2)
Number of Shares Beneficially Owned by Each Reporting Person With	6 Shared Voting Power 1,698,950 shares of Common Stock (3)
	7 Sole Dispositive Power 7,946 shares of Common Stock (2)
	8 Shared Dispositive Power 1,698,950 shares of Common Stock (3)
9	Aggregate Amount Beneficially Owned by Each Reporting Person 1,706,896 shares of Common Stock (2)(3)
10	Check Box if the Aggregate Amount in Row (9) Excludes Certain Shares* <input type="checkbox"/>
11	Percent of Class Represented by Amount in Row 9 9.2% (4)
12	Type of Reporting Person* IN

(1) This Schedule 13G is filed by Versant Affiliates Fund II-A, L.P., a Delaware limited partnership ("VAF II-A"), Versant Side Fund II, L.P., a Delaware limited partnership ("VSF II"), Versant Venture Capital II, L.P., a Delaware limited partnership ("VVC II"), Versant Ventures II, LLC, a Delaware limited liability company ("VV II"), Brian G. Atwood ("BGA"), Samuel D. Colella ("SDC"), Ross A. Jaffe ("RAJ"), William J. Link ("WJL"), Donald B. Milder ("DBM"), Rebecca B. Robertson ("RBR"), Bradley J. Bolzon ("BJB"), Charles M. Warden ("CMW"), Barbara N. Lubash ("BNL") and together with VAF II-A, VSF II, VVC II, VV II, BGA, SDC, RAJ, WJL, DBM, RBR, BJB and CMW, collectively, the "Reporting Persons"). The Reporting Persons expressly disclaim status as a "group" for purposes of this Schedule 13G.

(2) Includes 7,946 shares held by Lubash Moses LLC and Evan Michael Moses Trust for the benefit of BNL.

(3) Includes: (i) 31,334 shares held by VAF II-A; (ii) 14,764 shares held by VSF II; and (iii) 1,652,852 shares held by VVC II. VV II serves as the sole general partner of VAF II-A, VSF II and VVC II. BNL is a managing director and/or member of VV II and shares voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, she disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of her pecuniary interests therein. The information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014.

(4) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014 as set forth in the Issuer's most recent 10-Q filed with the Securities and Exchange Commissions on November 12, 2014.

Introductory Note: This Statement on Schedule 13G is filed on behalf of the Reporting Persons, in respect of shares of Common Stock, par value \$0.001 per share ("Common Stock"), of Inogen, Inc. (the "Issuer").

Item 1

- (a) Name of Issuer:
Inogen, Inc.

Address of Issuer's Principal Executive Offices:
326 Bollay Drive
Goleta, California 93117

Item 2

- (a) Name of Person(s) Filing:
Versant Affiliates Fund II-A, L.P. ("VAF II-A")
Versant Side Fund II, L.P. ("VSF II")
Versant Venture Capital II, L.P. ("VVC II")
Versant Ventures II, LLC ("VV II")
Brian G. Atwood ("BGA")
Samuel D. Colella ("SDC")
Ross A. Jaffe ("RAJ")
William J. Link ("WJL")
Donald B. Milder ("DBM")
Rebecca B. Robertson ("RBR")
Bradley J. Bolzon ("BJB")
Charles M. Warden ("CMW")
Barbara N. Lubash ("BNL")

-
- (b) Address of Principal Business Office:
c/o Versant Ventures
One Sansome Street, Suite 3630
San Francisco, CA 94104
-

- (b) Citizenship:

Entities:	VAF II-A	-	Delaware, United States of America
	VSF II	-	Delaware, United States of America
	VVC II	-	Delaware, United States of America
	VV II	-	Delaware, United States of America
Individuals:	BGA	-	United States of America
	SDC	-	United States of America
	RAJ	-	United States of America
	WJL	-	United States of America
	DBM	-	United States of America
	RBR	-	United States of America
	BJB	-	Canada
	CMW	-	United States of America
	BNL	-	United States of America

- (d) Title of Class of Securities:
Common Stock
-

- (e) CUSIP Number:
45780L104
-

Item 3 Not applicable.

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Item 4 Ownership.

The following information with respect to the ownership of the Common Stock by the Reporting Persons filing this statement on Schedule 13G is provided as of December 31, 2014:

Reporting Persons (1)	Shares Held Directly	Sole Voting Power	Shared Voting Power	Sole Dispositive Power	Shared Dispositive Power	Beneficial Ownership	Percentage of Class (2)
VAF II-A	31,334	31,334	0	31,334	0	31,334	0.2%
VSF II	14,764	14,764	0	14,764	0	14,764	0.1%
VVC II	1,652,852	1,652,852	0	1,652,852	0	1,652,852	8.9%
VV II	0	0	1,698,950	0	1,698,950	1,698,950	9.1%
BGA	38,295	38,295	1,698,950	38,295	1,698,950	1,737,245	9.3%
SDC	36,331	36,331	1,698,950	36,331	1,698,950	1,735,281	9.3%
RAJ	38,553	38,553	1,698,950	38,553	1,698,950	1,737,503	9.3%
WJL	38,553	38,553	1,698,950	38,553	1,698,950	1,737,503	9.3%
DBM	11,870	11,870	1,698,950	11,870	1,698,950	1,710,820	9.2%
RBR	4,280	4,280	1,698,950	4,280	1,698,950	1,703,230	9.1%
BJB	35,446	35,446	1,698,950	35,446	1,698,950	1,734,396	9.3%
CMW	0	0	1,698,950	0	1,698,950	1,698,950	9.1%
BNL	7,946	7,946	1,698,950	7,946	1,698,950	1,706,896	9.2%

(1) VV II serves as the sole general partner of VAF II-A, VSF II and VVC II and owns no securities of the Issuer directly. BGA, SDC, RAJ, WJL, DBM, RBR, BJB, CMW and BNL are managing directors and/or members of VV II and share voting and dispositive power over the shares held by VAF II-A, VSF II and VVC II; however, they disclaim beneficial ownership of the shares held by VAF II-A, VSF II and VVC II except to the extent of their pecuniary interests therein.

(2) This percentage is calculated based upon 18,628,900 shares of Common Stock outstanding as of October 31, 2014.

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

If this statement is being filed to report the fact that as of the date hereof, the Reporting Persons have ceased to be the beneficial owner of more than five percent of the class of securities, check the following:

Item 6 Ownership of More than Five Percent on Behalf of Another Person.

See Items 2(a) and 4.

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.

Not applicable.

Item 9 Notice of Dissolution of Group.

Not applicable.

Item 10 Certification.

Not applicable.

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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: February 13, 2015

Versant Affiliates Fund II-A, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
 Authorized Representative

Versant Side Fund II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
 Authorized Representative

Versant Venture Capital II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
 Authorized Representative

Versant Ventures II, LLC

By: /s/ Robin L. Praeger
 Authorized Representative

 /s/ Robin L. Praeger as attorney in fact
Brian G. Atwood

 /s/ Robin L. Praeger as attorney in fact
Samuel D. Colella

 /s/ Robin L. Praeger as attorney in fact
Ross A. Jaffe

 /s/ Robin L. Praeger as attorney in fact
William J. Link

 /s/ Robin L. Praeger as attorney in fact
Donald B. Milder

 /s/ Robin L. Praeger as attorney in fact
Rebecca B. Robertson

 /s/ Robin L. Praeger as attorney in fact
Bradley J. Bolzon

 /s/ Robin L. Praeger as attorney in fact
Charles M. Warden

 /s/ Robin L. Praeger as attorney in fact
Barbara N. Lubash

Exhibit(s):

A - Joint Filing Statement

EXHIBIT A

JOINT FILING STATEMENT

We, the undersigned, hereby express our agreement that the attached Schedule 13G (or any amendments thereto) relating to the Common Stock of Inogen, Inc. is filed on behalf of each of us.

Dated: February 13, 2015

Versant Affiliates Fund II-A, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Side Fund II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Venture Capital II, L.P.

By: Versant Ventures II, LLC
Its: General Partner

By: /s/ Robin L. Praeger
Authorized Representative

Versant Ventures II, LLC

By: /s/ Robin L. Praeger
Authorized Representative

/s/ Robin L. Praeger as attorney in fact
Brian G. Atwood

/s/ Robin L. Praeger as attorney in fact
Samuel D. Colella

/s/ Robin L. Praeger as attorney in fact
Ross A. Jaffe

/s/ Robin L. Praeger as attorney in fact
William J. Link

/s/ Robin L. Praeger as attorney in fact
Donald B. Milder

/s/ Robin L. Praeger as attorney in fact
Rebecca B. Robertson

/s/ Robin L. Praeger as attorney in fact
Bradley J. Bolzon

/s/ Robin L. Praeger as attorney in fact
Charles M. Warden

/s/ Robin L. Praeger as attorney in fact
Barbara N. Lubash

