

CUSIP NO. 45780L104 13G Page 2 of 6 Pages

1	NAMES OF REPORTING PERSONS	
	Brown Capital Management, LLC	
		(a)
2	CHECK THE APPROPRIATE BOX IF	[]
	A MEMBER OF A GROUP	(b)
		[]
3	SEC USE ONLY	
4	CITIZENSHIP OR PLACE OF ORGANIZATION	
	State of Maryland	
	SOLE VOTING POWER	
	5	
	1,387,509	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	SHARED VOTING POWER	
	6	
	None	
	SOLE DISPOSITIVE POWER	
	7	
	2,295,133	
	SHARED DISPOSITIVE POWER	
	8	
	None	
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	2,295,133	
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES CERTAIN SHARES	[]
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	
	11.00%	
12	TYPE OF REPORTING PERSON	

IA

CUSIP NO. 45780L104 13G Page 3 of 6 Pages

	NAMES OF REPORTING PERSONS	
1	The Brown Capital Management Small Company Fund	
		(a)
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	[]
		(b)
		[]
3	SEC USE ONLY	
	CITIZENSHIP OR PLACE OF ORGANIZATION	
4	State of Delaware	
	SOLE VOTING POWER	
5	1,093,926	
	SHARED VOTING POWER	
6	None	
	SOLE DISPOSITIVE POWER	
7	1,093,926	
	SHARED DISPOSITIVE POWER	
8	None	
	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
9	1,093,926	
	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES CERTAIN SHARES	
10		[]
	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9	
11	5.24%	
12	TYPE OF REPORTING PERSON	

IV

CUSIP NO. 45780L104 13G Page 4 of 6 Pages

Item 1. (a) Name of Issuer:

Inogen, Inc.

(b)

Address of Issuer's Principal Executive Offices:

326 Bollay Drive

Goleta, California 93117

Item 2. (a) Name of Person Filing:

Brown Capital Management, LLC

The Brown Capital Management Small Company Fund

(b)

Address of Principal Business Office or, if None, Residence:

For all persons filing:

1201 N. Calvert Street

Baltimore, Maryland 21202

(c)

Citizenship:

Brown Capital Management, LLC is a Maryland Limited Liability Company

The Brown Capital Management Small Company Fund is a series portfolio of Brown Capital Management Mutual Funds, a Delaware statutory trust

(d)

Title of Class of Securities:

Common Stock, Par Value \$0.001

(e)

CUSIP Number:

45780L104

Item 3. **If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:**

(a) Broker or dealer registered under Section 15 of the Exchange Act.

(b) Bank as defined in Section 3(a)(6) of the Exchange Act.

(c) Insurance company as defined in Section 3(a)(19) of the Exchange Act.

(d) Investment company registered under Section 8 of the Investment Company Act.

(e) An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);

(f) An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);

(g) A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);

(h) A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;

(i) A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;

(j) Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

CUSIP NO. 45780L104 13G Page 5 of 6 Pages

Item 4. Ownership.

	Brown Capital Management, LLC	The Brown Capital Mgmt Small Company Fund
(a) Amount beneficially owned:	2,295,133	1,093,926
(b) Percent of class:	11.00%	5.24%
(c) Number of shares as to which the person has:		
(i) Sole power to vote or to direct the vote:	1,387,509	1,093,926
(ii) Shared power to vote or to direct the vote:	None	None
(iii) Sole power to dispose or to direct the disposition of:	2,295,133	1,093,926
(iv) Shared power to dispose or to direct the disposition of:	None	None

As of November 30, 2017, Brown Capital Management, LLC beneficially owned 2,295,133 shares of company identified in this filing. Included in those shares are 1,093,926 shares beneficially owned by The Brown Capital Management Small Company Fund, a registered investment company, which is managed by Brown Capital Management, LLC.

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 person has 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.

All of the shares of Common Stock set forth in Item 4 are owned by various investment advisory clients of Brown Capital Management, LLC, which is deemed to be a beneficial owner of those shares pursuant to Rule 13d-3 under the Securities Exchange Act of 1934, due to its discretionary power to make investment decisions over such shares for its clients and/or its ability to vote such shares. In all cases, persons other than Brown Capital Management, LLC have the right to receive, or the power to direct the receipt of, dividends from, or the proceeds from the sale of the shares. No individual client holds more than five percent of the class, other than the Brown Capital Management Small Company Fund as disclosed in this filing.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of Group.

Not applicable

CUSIP NO. 45780L104 13G Page 6 of 6 Pages

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.

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.

**Brown Capital
Management, LLC**

By: /s/ Eddie C. Brown

Eddie C. Brown

Name:

Title: President

Date: December 8, 2017