

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
OMB Number:	3235-0104
Estimated average burden hours per response:	0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <u>Skyline Venture Partners V LP</u> (Last) (First) (Middle) <u>525 UNIVERSITY AVENUE, SUITE 610</u> (Street) <u>PALO ALTO CA 94301</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>01/29/2014</u>	3. Issuer Name and Ticker or Trading Symbol <u>Dicerna Pharmaceuticals Inc [DRNA]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director <input checked="" type="checkbox"/> 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
---------------------------------	---	--	---

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Series A Preferred Stock	01/29/2014	(1)	Common Stock	312,000	0.00	I	See Footnote ⁽²⁾
Series B Preferred Stock	01/29/2014	(1)	Common Stock	179,322	0.00	I	See Footnote ⁽²⁾
Series C Preferred Stock	01/29/2014	(1)	Common Stock	1,043,429	0.00	I	See Footnote ⁽²⁾
Common Stock Warrant	01/29/2014	(3)	Common Stock	755	250	I	See Footnote ⁽²⁾
Series C Preferred Stock Warrants	01/29/2014	(4)	Common Stock	21,697	7	I	See Footnote ⁽²⁾

Explanation of Responses:

- Each share of Series A Preferred Stock, Series B Preferred Stock and Series C Preferred Stock is convertible into one share of the Issuer's Common Stock and will automatically convert into one share of the Issuer's Common Stock upon the closing of the Issuer's initial public offering without payment of further consideration. The shares have no expiration date.
- These securities are held by Skyline Ventures Partners V, L.P. ("Skyline V"). John G. Freund, M.D. and Yasunori Kaneko, M.D. are Managing Directors of Skyline Venture Management V, LLC, the general partner of Skyline V, and may be deemed to share voting and dispositive power over the shares held by Skyline V. Stephen Hoffman, M.D., Ph.D. is a member of Skyline Venture Management V, LLC and may be deemed to share voting and dispositive power over the shares held by Skyline V. Each of Drs. Freund, Kaneko and Hoffman disclaims beneficial ownership of such shares, except to the extent of his pecuniary interest therein.
- Warrants will expire June 17, 2020.
- Warrants will expire June 17, 2020.

SKYLINE VENTURE PARTNERS V, L.P. By: SKYLINE VENTURE MANAGEMENT V, LLC Its: General Partner /s/ Kerensa Kenny, Attorney-in-Fact 01/29/2014
SKYLINE VENTURE MANAGEMENT V, LLC /s/ Kerensa Kenny, Attorney-in-Fact 01/29/2014

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 5 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.