

NANOIRICIDES, INC.
Form S-3
October 31, 2014

As filed with the Securities and Exchange Commission on October 31, 2014

Registration Statement No. 333-_____

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM S-3

REGISTRATION STATEMENT

UNDER

THE SECURITIES ACT OF 1933

NANOIRICIDES, INC.

(Exact name of registrant as specified in its charter)

Nevada
*(State or other jurisdiction of
incorporation or organization)*

135 Wood Street
Suite 205

76-0674577
*(I.R.S. Employer
Identification No.)*

Dr. Eugene Seymour
135 Wood Street

West Haven, Connecticut 06516
(203) 937-6137

Suite 205
West Haven, Connecticut
(203) 937-6137

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices) *(Name, address, including zip code, and telephone number, including area code, of agent for service)*

Copies to:

Peter Campitiello, Esq.

Kane Kessler, P.C.

1350 Avenue of the Americas

New York, New York 10019

Telephone (212) 519-5109

Facsimile (212) 245-3009

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement, as determined by market conditions and other factors.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933 (the "Securities Act"), other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box. "

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box. "

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in rule 12b-2 of the Exchange Act

Large accelerated filer " Accelerated filer " Non-accelerated filer x Smaller reporting company "

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered (1)(2)	Amount to be Registered	Proposed Maximum Offering Price per Share	Proposed Maximum Aggregate Offering Price (3)	Amount of Registration Fee
Common Stock				
Preferred Stock				
Debt Securities (which may be senior or subordinated, convertible or non-convertible, secured or unsecured)				
Warrants				
Total for sale by Registrant	\$ 50,000,000	100	% \$ 50,000,000	\$5,810 (3)

(1) Securities registered hereunder may be sold separately, together or as units with other securities registered hereunder.

(2) Pursuant to Rule 416 under the Securities Act of 1933, as amended (the "Securities Act"), the Registrant is registering an indeterminate aggregate principal amount and number of securities of each identified class of securities up to a proposed aggregate offering price of \$50,000,000, which may be offered from time to time in unspecified numbers and at indeterminate prices, and as may be issuable upon conversion, redemption, repurchase, exchange or exercise of any securities registered hereunder, including under any applicable anti-dilution provisions.

- (3) Calculated pursuant to Rule 457(o) of the rules and regulations under the Securities Act.

The Registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933, or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and we are not soliciting offers to buy these securities in any state where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED OCTOBER 31, 2014

PROSPECTUS

NANOVIRICIDES, INC.

\$50,000,000

Common Stock

Preferred Stock

Debt Securities

Warrants

Units

This prospectus relates to common stock, preferred stock, debt securities, warrants and units comprised of the foregoing that we may sell from time to time in one or more offerings up to a total public offering price of \$50,000,000 on terms to be determined at the time of sale. We will provide specific terms of these securities in supplements to this prospectus. You should read this prospectus and any supplement carefully before you invest. This prospectus may not be used to offer and sell securities unless accompanied by a prospectus supplement for those securities.

Our common stock trades on the NYSE MKT under the symbol "NNVC."

These securities may be sold directly by us, through dealers or agents designated from time to time, to or through underwriters or through a combination of these methods. See "Plan of Distribution" in this prospectus. We may also

describe the plan of distribution for any particular offering of these securities in any applicable prospectus supplement. If any agents, underwriters or dealers are involved in the sale of any securities in respect of which this prospectus is being delivered, we will disclose their names and the nature of our arrangements with them in a prospectus supplement. The net proceeds we expect to receive from any such sale will also be included in a prospectus supplement.

See “RISK FACTORS” on page 3 for information you should consider before buying these securities.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

This prospectus may not be used to sell securities unless accompanied by a prospectus supplement.

This prospectus is not an offer to sell any securities in any state where the offer is not permitted.

The date of this prospectus is October 31, 2014.

Prospective investors may rely only on the information contained in this prospectus. We have not authorized anyone to provide prospective investors with different or additional information. This prospectus is not an offer to sell nor is it seeking an offer to buy these securities in any jurisdiction where the offer or sale is not permitted. The information contained in this prospectus is correct only as of the date of this prospectus, regardless of the time of the delivery of this prospectus or any sale of these securities.

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IMPORTANT INFORMATION ABOUT THIS PROSPECTUS

This prospectus is part of a “shelf” registration statement that we filed with the United States Securities and Exchange Commission, or the “SEC”. By using a shelf registration statement, we may sell any combination of the securities described in this prospectus from time to time in one or more offerings. We may use this prospectus to offer and sell up to a total of \$50,000,000 of our securities. This prospectus provides you only with a general description of the securities we may offer. Each time we sell securities, we will provide a supplement to this prospectus that contains specific information about the terms of the securities offered. The supplement may also add, update or change information contained in this prospectus. Before purchasing any securities, you should carefully read both this prospectus and any supplement, together with the additional information described under the heading “Incorporation of Certain Documents by Reference” found on page 14.

You should rely only on the information contained herein or incorporated by reference in this prospectus and the supplement. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus, as well as information we previously filed with the SEC and incorporated herein by reference, is accurate as of the date on the front cover of this prospectus only. Our business, financial condition, results of operations and prospects may have changed since that date.

We will not use this prospectus to offer and sell securities unless it is accompanied by a supplement that more fully describes the securities being offered and the terms of the offering.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING INFORMATION

We are making this statement pursuant to the safe harbor provisions for forward-looking statements described in the Private Securities Litigation Reform Act of 1995. These forward-looking statements are not historical facts but are the intent, belief, or current expectations of our business and industry. We make statements in this prospectus, including statements that are incorporated by reference, that are forward-looking. When used in this prospectus or in any other presentation, statements which are not historical in nature, including the words “anticipate,” “estimate,” “could,” “should,” “may,” “plan,” “seek,” “expect,” “believe,” “intend,” “target,” “project” and similar expressions are intended to identify forward-looking statements. They also include statements regarding:

- our future growth and profitability;
- our competitive strengths; and
- our business strategy and the trends we anticipate in the industries and economies in which we operate.

These forward-looking statements are based on our current expectations and are subject to a number of risks, uncertainties and assumptions. These statements are not guarantees of future performance and are subject to risks, uncertainties, and other factors, some of which are beyond our control, are difficult to predict, and could cause actual results to differ materially from those expressed or forecasted in the forward-looking statements. Important factors that could cause actual results to differ materially from those in forward-looking statements include:

economic downturns, reduced capital expenditures, consolidation and technological and regulatory changes in our industry;

- the highly competitive nature of our industry;
- our ability to attract and retain qualified managers and skilled employees;
- the outcome of our plans for future operations and growth; and
- the other factors referenced in this prospectus, including, without limitation, under “Risk Factors.”

We believe these forward-looking statements are reasonable; however, you should not place undue reliance on any forward-looking statements, which are based on current expectations. Furthermore, forward-looking statements speak only as of the date they are made. If any of these risks or uncertainties materialize, or if any of our underlying assumptions are incorrect, our actual results may differ significantly from the results that we express in or imply by any of our forward-looking statements. These and other risks are detailed in this prospectus, in any supplements to this prospectus, in the documents that we incorporate by reference into this prospectus and in other documents that we file with the SEC. We do not undertake any obligation to publicly update or revise these forward-looking statements after the date of this prospectus to reflect future events or circumstances. We qualify any and all of our forward-looking statements by these cautionary factors.

ABOUT NANO VIRICIDES, INC.

This summary highlights selected information and does not contain all the information that is important to you. You should carefully read this prospectus, any applicable prospectus supplement and the documents we have referred you to in “Incorporation of Certain Documents by Reference” on page 14 of this prospectus for information about us and our financial statements as well as “where you can find more information” on page 14.

Except where the context otherwise requires, the terms “we,” “us,” “our” or “Nanoviricides” refer to NanoViricides, Inc.

Our Business

We are an early developmental stage nano-biopharmaceutical company engaged in the discovery, development and commercialization of anti-viral therapeutics. We have no customers, products or revenues to date, and may never achieve revenues or profitable operations. Our drugs are based on several patents, patent applications, provisional patent applications, and other proprietary intellectual property held by TheraCour Pharma, Inc., one of our principal shareholders, to which we have the licenses in perpetuity for the treatment of the following human viral diseases:

- Influenza, Asian Bird Flu, and H1N1 “Swine Flu” Viruses;
- Herpes Simplex Virus (HSV);
- Human Immunodeficiency Virus (HIV/AIDS);
- Adenoviral Conjunctivitis and Keratitis, and Ocular Indications of Herpes Simplex Types 1 & 2.
- Dengue Fever types I, II, III, & IV;
- Hepatitis B Virus (HBV);
- Hepatitis C Virus (HCV);
- Rabies;

- Ebola and Marburg Viruses;
- Japanese Encephalitis; and
- West Nile Virus.

We focus our laboratory research and pre-clinical programs on specific anti-viral solutions. We are seeking to add to our pipeline of drug candidates through our internal discovery pre-clinical development programs and through an in-licensing strategy.

Company Information

Our principal executive offices are located at 135 Wood Street, Suite 205, West Haven, Connecticut 06516. Our telephone number is 203-937-6137. You may also contact us or obtain additional information through our internet website address at www.nanoviricides.com. Information contained on our website is not incorporated into this prospectus and is not a part of this prospectus.

RISK FACTORS

You should carefully consider the Risk Factors contained in our most recent annual report on Form 10-K, as updated or supplemented by subsequent quarterly reports on Form 10-Q and current reports on Form 8-K to the extent filed, each of which are incorporated herein by reference and in the supplement to this prospectus before buying any offered securities, as the same may be updated from time to time by our future filings under the Exchange Act.

USE OF PROCEEDS

Unless the applicable prospectus supplement states otherwise, we expect to use the net proceeds of the sale of these securities for general corporate purposes, which may include research and development of pharmaceutical candidates, collaborative arrangements with other companies, repayment of existing indebtedness, working capital, capital expenditures, acquisitions, joint ventures and stock repurchase programs. As of the date of this prospectus, we have not identified as probable any specific material proposed uses of these proceeds. If, as of the date of any prospectus supplement, we have identified any such uses, then we will describe them in the prospectus supplement. The amount of securities offered from time to time pursuant to this prospectus and any prospectus supplement, and the precise amounts and timing of the application of net proceeds from the sale of those securities, will depend upon our funding requirements. If we elect at the time of an issuance of securities to make different or more specific use of proceeds than described in this prospectus, such use will be described in the prospectus supplement relating to those securities.

PLAN OF DISTRIBUTION

We may sell securities to one or more underwriters or dealers for public offering and sale by them, or we may sell the securities to investors directly or through one or more agents or broker dealers, including those engaged solely as agents to facilitate the direct sale of securities to particular investors. The applicable prospectus supplement will set forth the terms of the offering and the method of distribution and will identify any firms acting as underwriters, dealers or agents in connection with the offering, including:

- the name or names of any underwriters;
- the purchase price of the securities;
- any underwriting discounts and other items constituting underwriters' compensation;
- any public offering price and the net proceeds we will receive from such sale;
- any discounts or concessions allowed or reallocated or paid to dealers; and
- any securities exchange or market on which the securities offered in the prospectus supplement may be listed.

We may distribute our securities from time to time in one or more transactions at a fixed price or prices, which may be changed, or at prices determined as the prospectus supplement specifies, including at negotiated prices and in “at-the-market” offerings. We may sell our securities through a rights offering, forward contracts or similar arrangements.

Any underwriting discounts or other compensation which we pay to underwriters or agents in connection with the offering of our securities, and any discounts, concessions or commissions which underwriters allow to dealers, will be set forth in the prospectus supplement. Underwriters may sell our securities to or through dealers, and such dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and commissions from the purchasers for whom they may act as agents. Underwriters, dealers and agents that participate in the distribution of our securities may be deemed to be underwriters under the Securities Act and any discounts or commissions they receive from us and any profit on the resale of our securities they realize may be deemed to be underwriting discounts and commissions under the Securities Act. Any such underwriter or agent will be identified, and any such compensation received from us, will be described in the applicable supplement to this prospectus. Unless otherwise set forth in the supplement to this prospectus relating thereto, the obligations of the underwriters or agents to purchase our securities will be subject to conditions precedent and the underwriters will be obligated to purchase all our offered securities if any are purchased. The public offering price and any discounts or concessions allowed or reallocated or paid to dealers may be changed from time to time.

Any common stock sold pursuant to this prospectus and applicable prospectus supplement, will be eligible for trading on the NYSE MKT or such other stock exchange that our securities are trading upon.

Underwriters and their controlling persons, dealers and agents may be entitled, under agreements entered into with us to indemnification against and contribution toward specific civil liabilities, including liabilities under the Securities Act.

The securities being offered under this prospectus, other than our common stock, will be new issues of securities with no established trading market and unless otherwise specified in the applicable prospectus supplement. It has not presently been established whether the underwriters, if any, as identified in a prospectus supplement, will make a market in the securities. If the underwriters make a market in the securities, the market making may be discontinued at any time without notice. We cannot provide any assurance as to the liquidity of the trading market for the securities.

Unless the applicable prospectus supplement states otherwise, the obligations of the underwriters to purchase the offered securities will be subject to certain conditions contained in an underwriting agreement that we will enter into with the underwriters at the time of the sale to them. The underwriters will be obligated to purchase all of the securities of the series offered if any of the securities are purchased, unless the applicable prospectus supplement says otherwise. Any initial public offering price and any discounts or concessions allowed, reallocated or paid to dealers may be changed from time to time.

In connection with any offering, the underwriters may purchase and sell securities in the open market. Any underwriter may engage in short sales, over-allotment, stabilizing transactions, short-covering transactions and penalty bids in accordance with Regulation M under the Exchange Act. Stabilizing transactions permit bidders to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum. Short covering transactions involve purchases of the securities in the open market after the distribution is completed to cover short positions. Penalty bids permit the underwriters to reclaim a selling concession from a dealer when the securities originally sold by the dealer are purchased in a covering transaction to cover short positions. Those activities may cause the price of the securities to be higher than it would otherwise be. The underwriters may engage in these activities on any exchange or other market in which the securities may be traded. If commenced, the underwriters may discontinue these activities at any time.

We may also sell securities pursuant to an "equity line of credit". In such event, we will enter into a common stock purchase agreement with the purchaser to be named therein, which will be described in a Current Report on Form 8-K that we will file with the SEC. In that Form 8-K, we will describe the total amount of securities that we may require the purchaser to purchase under the purchase agreement and the other terms of purchase, and any rights that the purchaser is granted to purchase securities from us. In addition to our issuance of shares of common stock to the equity line purchaser pursuant to the purchase agreement, this prospectus (and the applicable prospectus supplement or post-effective amendment) also covers the resale of those shares from time to time by the equity line purchaser to

the public. The equity line purchaser will be considered an “underwriter” within the meaning of Section 2(a)(11) of the Securities Act. Its resales may be effected through a number of methods, including without limitation, ordinary brokerage transactions and transactions in which the broker solicits purchasers and block trades in which the broker or dealer so engaged will attempt to sell the shares as agent, but may position and resell a portion of the block as principal to facilitate the transaction. The equity line purchaser will be bound by various anti-manipulation rules of the SEC and may not, for example, engage in any stabilization activity in connection with its resales of our securities and may not bid for or purchase any of our securities or attempt to induce any person to purchase any of our securities other than as permitted under the Securities Exchange Act of 1934, as amended, or the Exchange Act.

Fees and Commissions

In compliance with the guidelines of the Financial Industry Regulatory Authority, or “FINRA,” the aggregate maximum discount, commission or agency fees or other items constituting underwriting compensation to be received by any FINRA member or independent broker-dealer will not exceed 8% of any offering pursuant to this prospectus and any applicable prospectus supplement or other offering materials, as the case may be; however, it is anticipated that the maximum commission or discount to be received in any particular offering of securities will be significantly less than this amount.

If 5% or more of the net proceeds of any offering of securities made under this prospectus will be received by a FINRA member participating in the offering or affiliates or associated persons of such FINRA member, the offering will be conducted in accordance with NASD Conduct Rule 2720.

THE SECURITIES WE MAY OFFER

We may sell from time to time, in one or more offerings: common stock; preferred stock, debt securities; and/or warrants or units comprised of any combination of the foregoing. The descriptions of the securities contained in this prospectus summarize the material general terms and provisions of the various types of securities that we may offer. We will describe in the applicable prospectus supplement relating to any securities the particular terms of the securities offered by that prospectus supplement. If we indicate in the applicable prospectus supplement, the terms of the securities may differ from the terms we have summarized below. We will also include in the prospectus supplement information, where applicable, about material United States federal income tax considerations relating to the securities, and the securities exchange or market, if any, on which the securities will be listed.

The following summary describes the material terms of our capital stock and is subject to, and qualified in its entirety by, our articles of incorporation and bylaws that are included as exhibits to certain of the documents incorporated by reference below and by the provisions of applicable Nevada law. We refer you to the foregoing documents and to Nevada law for a detailed description of the provisions summarized below.

DESCRIPTION OF COMMON STOCK

General

We are authorized to issue 85,714,286 shares of common stock, \$.001 par value. As of October 31, 2014, there were approximately 56,535,135 shares of common stock issued and outstanding held by approximately 188 holders of record.

If we offer shares of our common stock for sale under this prospectus, we will provide a prospectus supplement that describes the terms of the offering, including the number of shares offered and the offering price.

Voting Rights

Each holder of common stock is entitled to one vote for each share held on all matters submitted to a vote of the stockholders.

Dividends

Subject to the rights of the holders of any preferred stock, the holders of common stock are entitled to receive ratably such dividends as may be declared by our board of directors out of funds legally available for dividends. We have not historically declared or paid cash dividends on our common stock.

Other Rights

In the event of a liquidation, dissolution or winding up of us, holders of our common stock are entitled to share ratably in all assets remaining after payment of liabilities and the liquidation preference, if any, of any then outstanding preferred stock. Holders of our common stock are not entitled to preemptive rights and have no subscription, redemption or conversion privileges. All outstanding shares of common stock are, and all shares of common stock issued by us in an offering under this prospectus and the applicable prospectus supplement will be, fully paid and nonassessable. The rights, preferences and privileges of holders of common stock are subject to, and may be adversely affected by, the rights of the holders of shares of any series of preferred stock which our board of directors may designate and that we may issue in one or more offerings under this prospectus or at other times in the future.

Transfer Agent and Registrar

The transfer agent and registrar for our common stock is Corporate Stock Transfer, Inc., 3200 Cherry Creek Drive South, Suite 430, Denver, Colorado 80209, (303) 282-4800.

Listing

Our common stock is listed on the NYSE MKT under the symbol "NNVC." Any common stock we sell under this prospectus, as it may be supplemented, will be listed on the NYSE MKT.

DESCRIPTION OF PREFERRED STOCK

General

We are authorized to issue up to 5,714,286 shares of preferred stock in one or more series, with such designations, preferences and relative, participating, option and other special rights, qualifications, limitations or restrictions as determined by our board of directors, without any further vote or action by our stockholders, including dividend rights, conversion rights, voting rights, redemption rights and terms of redemption and liquidation preferences. On February 15, 2010, our board had designated an aggregate of 2,857,143 split-adjusted shares of preferred stock as Series A Convertible Preferred Stock (the "Series A Preferred Stock"). On April 28, 2014, our board amended the designation to 4,000,000 shares of Series A Preferred Stock and as of October 31, 2014, 3,387,735 shares of Series A

Preferred Stock are issued or outstanding and no other shares of preferred stock are issued and outstanding. On April 1, 2011, our board had designated an aggregate of 2,000,000 shares of preferred stock as Series B Convertible Preferred Stock (the "Series B") and no shares of Series B Preferred Stock are issued or outstanding, and no shares are available for issuance. On June 27, 2012, our board had designated an aggregate of 5,000 shares of preferred stock as Series C Convertible Preferred Stock (the "Series C") and no shares of Series C Preferred Stock are issued or outstanding. No other shares of preferred stock are issued and outstanding.

Our board may fix the number of shares constituting any series and the designations of these series by adopting a certificate of designation relating to each series. The prospectus supplement relating to each series will specify the terms of the preferred stock, including:

- the number of shares we are offering;
- the offering price for those shares;
- the maximum number of shares in the series and the distinctive designation thereof;
- the terms on which dividends will be paid, if any;
- the terms on which the shares will be redeemed, if at all;
- the liquidation preference, if any;
- the terms of any retirement or sinking fund for the purchase or redemption of the shares of the series;
- the terms and conditions, if any, on which the shares of the series will be convertible into, or exchangeable for, shares of any other class or classes of capital stock;
- the voting rights, if any, on the shares of the series;
- any securities exchange or market on which the shares will be listed; and
- any other preferences and relative, participating, operation or other special rights or qualifications, limitations or restrictions of the shares

You should also refer to the applicable certificate of designation for complete information about the terms, preferences and rights related to a particular series of our preferred stock, which we will incorporate as an exhibit to the registration statement of which this prospectus is a part. The prospectus supplement will contain a description of United States federal income tax consequences relating to the preferred stock, to the extent applicable.

Our issuance of preferred stock may have the effect of delaying or preventing a change in control. Our issuance of preferred stock could decrease the amount of earnings and assets available for distribution to the holders of common stock or could adversely affect the rights and powers, including voting rights, of the holders of common stock. The issuance of preferred stock could have the effect of decreasing the market price of our common stock.

Series A Convertible Preferred Stock

The Series A Preferred Stock is convertible into shares of the our Common Stock at the rate of three and one-half shares of Common Stock per share of Series A converted, solely upon a “change of control”. A change of control is defined as (a) an acquisition after the date hereof by an individual or legal entity or “group” (as described in Rule 13d-5(b)(1) promulgated under the Exchange Act) of effective control (whether through legal or beneficial ownership of capital stock of the Company, by contract or otherwise) of in excess of 40% of the voting securities of the Company (other than by means of conversion or exercise of the Series A Preferred Stock and the Securities issued together with the Series A Preferred Stock), (b) the Company merges into or consolidates with any other Person, or any Person merges into or consolidates with the Company and, after giving effect to such transaction, the stockholders of the Company immediately prior to such transaction own less than 60% of the aggregate voting power of the Company or the successor entity of such transaction, (c) the Company sells or transfers all or substantially all of its Intellectual Property to another Person and the stockholders of the Company prior to such transaction own less than 60% of the aggregate voting power of the acquiring entity immediately after the transaction, or (d) the execution by the Company of an agreement to which the Company is a party or by which it is bound, providing for any of the events set forth in clauses (a) through (c) above. The Series A Preferred Stock votes at the rate of nine votes per share, together with the Common Stock, on all matters to which shareholders of the Company are entitled to vote. Holders of the Series A Preferred Stock are not entitled to receive dividends or any liquidation preference upon the liquidation, dissolution, or winding up of the Company.

DESCRIPTION OF DEBT SECURITIES

General

The debt securities that we may offer by this prospectus consist of notes, debentures, or other evidences of indebtedness. The debt securities may constitute either senior or subordinated debt securities, and in either case may be either secured or unsecured. Any debt securities that we offer and sell will be our direct obligations. Debt securities may be issued in one or more series. All debt securities of any one series need not be issued at the same time, and unless otherwise provided, a series of debt securities may be reopened, with the required consent of the holders of outstanding debt securities, for issuance of additional debt securities of that series or to establish additional terms of that series of debt securities (with such additional terms applicable only to unissued or additional debt securities of that series). The form of indenture has been filed as an exhibit to the registration statement of which this prospectus is a part and is subject to any amendments or supplements that we may enter into with the trustee(s), however, we may issue debt securities not subject to the indenture provided such terms of debt securities are not otherwise required to be set forth in the indenture. The material terms of the indenture are summarized below and we refer you to the indenture for a detailed description of these material terms. Additional or different provisions that are applicable to a particular series of debt securities will, if material, be described in a prospectus supplement relating to the offering of debt securities of that series. These provisions may include, among other things and to the extent applicable, the following:

- the title of the debt securities, including, as applicable, whether the debt securities will be issued as senior debt securities, senior subordinated debt securities or subordinated debt securities, any subordination provisions particular to the series of debt securities;
- any limit on the aggregate principal amount of the debt securities;
- whether the debt securities are senior debt securities or subordinated debt securities and applicable subordination provisions, if any;
- whether the debt securities will be secured or unsecured;

- if other than 100% of the aggregate principal amount, the percentage of the aggregate principal amount at which we will sell the debt securities, such as an original issuance discount;
- the date or dates, whether fixed or extendable, on which the principal of the debt securities will be payable;
- the rate or rates, which may be fixed or variable, at which the debt securities will bear interest, if any, the date or dates from which any such interest will accrue, the interest payment dates on which we will pay any such interest, the basis upon which interest will be calculated if other than that of a 360-day year consisting of twelve 30-day months, and, in the case of registered securities, the record dates for the determination of holders to whom interest is payable;
- the place or places where the principal of and any premium or interest on the debt securities will be payable and where the debt securities may be surrendered for conversion or exchange;
- whether we may, at our option, redeem the debt securities, and if so, the price or prices at which, the period or periods within which, and the terms and conditions upon which, we may redeem the debt securities, in whole or in part, pursuant to any sinking fund or otherwise;
- if other than 100% of the aggregate principal amount thereof, the portion of the principal amount of the debt securities which will be payable upon declaration of acceleration of the maturity date thereof or provable in bankruptcy, or, if applicable, which is convertible or exchangeable;
- any obligation we may have to redeem, purchase or repay the debt securities pursuant to any sinking fund or analogous provisions or at the option of a holder of debt securities, and the price or prices at which, the currency in which and the period or periods within which, and the terms and conditions upon which, the debt securities will be redeemed, purchased or repaid, in whole or in part, pursuant to any such obligation, and any provision for the remarketing of the debt securities;
- the issuance of debt securities as registered securities or unregistered securities or both, and the rights of the holders of the debt securities to exchange unregistered securities for registered securities, or vice versa, and the circumstances under which any such exchanges, if permitted, may be made;
- the denominations, which may be in United States Dollars or in any foreign currency, in which the debt securities will be issued, if other than denominations of \$1,000 and any integral multiple thereof;
- whether the debt securities will be issued in the form of certificated debt securities, and if so, the form of the debt securities (or forms thereof if unregistered and registered securities are issuable in that series), including the legends required by law or as we deem necessary or appropriate, the form of any coupons or temporary global security which may be issued and the forms of any other certificates which may be required under the indenture or which we may require in connection with the offering, sale, delivery or exchange of the debt securities;
- if other than United States Dollars, the currency or currencies in which payments of principal, interest and other amounts payable with respect to the debt securities will be denominated, payable, redeemable or repurchasable, as the case may be;
- whether the debt securities may be issuable in tranches;
- the obligations, if any, we may have to permit the conversion or exchange of the debt securities into common stock, preferred stock or other capital stock or property, or a combination thereof, and the terms and conditions upon which such conversion or exchange will be effected (including conversion price or exchange ratio), and any limitations on the ownership or transferability of the securities or property into which the debt securities may be converted or exchanged;
- if other than the trustee under the indenture, any trustees, authenticating or paying agents, transfer agents or registrars or any other agents with respect to the debt securities;
- any deletions from, modifications of or additions to the events of default with respect to the debt securities or the right of the Trustee or the holders of the debt securities in connection with events of default;
- any deletions from, modifications of or additions to the covenants with respect to the debt securities;

- if the amount of payments of principal of, and make-whole amount, if any, and interest on the debt securities may be determined with reference to an index, the manner in which such amount will be determined;
whether the debt securities will be issued in whole or in part in the global form of one or more debt securities and, if so, the depositary for such debt securities, the circumstances under which any such debt
- security may be exchanged for debt securities registered in the name of, and under which any transfer of debt securities may be registered in the name of, any person other than such depositary or its nominee, and any other provisions regarding such debt securities;

- whether, under what circumstances and the currency in which, we will pay additional amounts on the debt securities to any holder of the debt securities who is not a United States person in respect of any tax, assessment or governmental charge and, if so, whether we will have the option to redeem such debt securities rather than pay such additional amounts, and the terms of any such option;
- whether the debt securities will be secured by any collateral and, if so, a general description of the collateral and the terms of any related security, pledge or other agreements;
- the persons to whom any interest on the debt securities will be payable, if other than the registered holders thereof on the regular record date therefor; and
- any other material terms or conditions upon which the debt securities will be issued.

Unless otherwise indicated in the applicable prospectus supplement, we will issue debt securities in fully registered form without coupons and in denominations of \$1,000 and in integral multiples of \$1,000, and interest will be computed on the basis of a 360-day year of twelve 30 day months. If any interest payment date or the maturity date falls on a day that is not a business day, then the payment will be made on the next business day without additional interest and with the same effect as if it were made on the originally scheduled date. "Business day" means any calendar day that is not a Saturday, Sunday or legal holiday in New York, New York, and on which the trustee and commercial banks are open for business in New York, New York.

Unless we inform you otherwise in a prospectus supplement, each series of our senior debt securities will rank equally in right of payment with all of our other unsubordinated debt. The subordinated debt securities will rank junior in right of payment and be subordinate to all of our unsubordinated debt.

Unless otherwise indicated in the applicable prospectus supplement, the trustee will act as paying agent and registrar for the debt securities under the indenture. We may act as paying agent under the indenture.

The prospectus supplement will contain a description of United States federal income tax consequences relating to the debt securities, to the extent applicable.

Covenants

The applicable prospectus supplement will describe any covenants, such as restrictive covenants restricting us or our subsidiaries, if any, from incurring, issuing, assuming or guarantying any indebtedness or restricting us or our subsidiaries, if any, from paying dividends or acquiring any of our or its capital stock.

Consolidation, Merger and Transfer of Assets

The indenture permits a consolidation or merger between us and another entity and/or the sale, conveyance or lease by us of all or substantially all of our property and assets, provided that:

the resulting or acquiring entity, if other than us, is organized and existing under the laws of a United States jurisdiction and assumes all of our responsibilities and liabilities under the indenture, including the payment of all amounts due on the debt securities and performance of the covenants in the indenture; immediately after the transaction, and giving effect to the transaction, no event of default under the indenture exists; and we have delivered to the trustee an officers' certificate stating that the transaction and, if a supplemental indenture is required in connection with the transaction, the supplemental indenture comply with the indenture and that all conditions precedent to the transaction contained in the indenture have been satisfied.

If we consolidate or merge with or into any other entity, or sell or lease all or substantially all of our assets in compliance with the terms and conditions of the indenture, the resulting or acquiring entity will be substituted for us in the indenture and the debt securities with the same effect as if it had been an original party to the indenture and the debt securities. As a result, such successor entity may exercise our rights and powers under the indenture and the debt securities, in our name and, except in the case of a lease, we will be released from all our liabilities and obligations under the indenture and under the debt securities.

Notwithstanding the foregoing, we may transfer all of our property and assets to another entity if, immediately after giving effect to the transfer, such entity is our wholly owned subsidiary. The term “wholly owned subsidiary” means any subsidiary in which we and/or our other wholly owned subsidiaries, if any, own all of the outstanding capital stock.

Modification and Waiver

Under the indenture, some of our rights and obligations and some of the rights of the holders of the debt securities may be modified or amended with the consent of the holders of not less than a majority in aggregate principal amount of the outstanding debt securities affected by the modification or amendment. However, the following modifications and amendments will not be effective against any holder without its consent:

- a change in the stated maturity date of any payment of principal or interest;
- a reduction in the principal amount of or interest on any debt securities;
- an alteration or impairment of any right to convert at the rate or upon the terms provided in the indenture;
- a change in the currency in which any payment on the debt securities is payable;
- an impairment of a holder’s right to sue us for the enforcement of payments due on the debt securities; or
- a reduction in the percentage of outstanding debt securities required to consent to a modification or amendment of the indenture or required to consent to a waiver of compliance with certain provisions of the indenture or certain defaults under the indenture.

Under the indenture, the holders of not less than a majority in aggregate principal amount of the outstanding debt securities may, on behalf of all holders of the debt securities:

- waive compliance by us with certain restrictive provisions of the indenture; and
- waive any past default under the indenture in accordance with the applicable provisions of the indenture, except a default in the payment of the principal of or interest on any series of debt securities.

Events of Default

Unless we indicate otherwise in the applicable prospectus supplement, “event of default” under the indenture will mean, with respect to any series of debt securities, any of the following:

- failure to pay interest on any debt security for 30 days after the payment is due;
-

failure to pay the principal of any debt security when due, either at maturity, upon redemption, by declaration or otherwise;
failure on our part to observe or perform any other covenant or agreement in the indenture that applies to the debt securities for 90 days after we have received written notice of the failure to perform in the manner specified in the indenture; and
certain events of bankruptcy, insolvency or reorganization.

Remedies Upon an Event of Default

If an event of default occurs and continues, the trustee or the holders of not less than 25% in aggregate principal amount of the outstanding debt securities of such series may declare the entire principal of all the debt securities to be due and payable immediately, except that, if the event of default is caused by certain events in bankruptcy, insolvency or reorganization, the entire principal of all of the debt securities of such series will become due and payable immediately without any act on the part of the trustee or holders of the debt securities. If such a declaration occurs, the holders of a majority of the aggregate principal amount of the outstanding debt securities of such series can, subject to conditions, rescind the declaration.

The indenture requires us to furnish to the trustee not less often than annually, a certificate from our principal executive officer, principal financial officer or principal accounting officer, as the case may be, as to such officer's knowledge of our compliance with all conditions and covenants under the indenture. The trustee may withhold notice to the holders of debt securities of any default, except defaults in the payment of principal of or interest on any debt securities if the trustee in good faith determines that the withholding of notice is in the best interests of the holders. For purposes of this paragraph, "default" means any event which is, or after notice or lapse of time or both would become, an event of default under the indenture.

The trustee is not obligated to exercise any of its rights or powers under the indenture at the request, order or direction of any holders of debt securities, unless the holders offer the trustee satisfactory security or indemnity. If satisfactory security or indemnity is provided, then, subject to other rights of the trustee, the holders of a majority in aggregate principal amount of the outstanding debt securities may direct the time, method and place of:

- conducting any proceeding for any remedy available to the trustee; or
- exercising any trust or power conferred upon the trustee.

The holder of a debt security will have the right to begin any proceeding with respect to the indenture or for any remedy only if:

- the holder has previously given the trustee written notice of a continuing event of default;
- the holders of not less than a majority in aggregate principal amount of the outstanding debt securities have made a written request of, and offered reasonable indemnity to, the trustee to begin such proceeding;
- the trustee has not started such proceeding within 60 days after receiving the request; and
- no direction inconsistent with such written request has been given to the trustee under the indenture.

However, the holder of any debt security will have an absolute right to receive payment of principal of and interest on the debt security when due and to institute suit to enforce this payment.

Satisfaction and Discharge; Defeasance

Satisfaction and Discharge of Indenture. Unless otherwise indicated in the applicable prospectus supplement, if at any time,

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we have paid the principal of and interest on all the debt securities of any series, except for debt securities which have been destroyed, lost or stolen and which have been replaced or paid in accordance with the indenture, as and when the same shall have become due and payable, or

we have delivered to the trustee for cancellation all debt securities of any series theretofore authenticated, except for

- debt securities of such series which have been destroyed, lost or stolen and which have been replaced or paid as provided in the indenture, or

all the debt securities of such series not theretofore delivered to the trustee for cancellation have become due and payable, or are by their terms are to become due and payable within one year or are to be called for redemption

- within one year, and we have deposited with the trustee, in trust, sufficient money or government obligations, or a combination thereof, to pay the principal, any interest and any other sums due on the debt securities, on the dates the payments are due or become due under the indenture and the terms of the debt securities,

then the indenture shall cease to be of further effect with respect to the debt securities of such series, except for:

- rights of registration of transfer and exchange, and our right of optional redemption;
- substitution of mutilated, defaced, destroyed, lost or stolen debt securities;
rights of holders to receive payments of principal thereof and interest thereon upon the original stated due dates
- therefor (but not upon acceleration) and remaining rights of the holders to receive mandatory sinking fund payments, if any;
- the rights, obligations and immunities of the trustee under the indenture; and

the rights of the holders of such series of debt securities as beneficiaries thereof with respect to the property so deposited with the trustee payable to all or any of them.

Defeasance and Covenant Defeasance. Unless otherwise indicated in the applicable prospectus supplement, we may elect with respect to any debt securities of any series either:

to defease and be discharged from all of our obligations with respect to such debt securities (“defeasance”), with certain exceptions described below; or

to be released from our obligations with respect to such debt securities under such covenants as may be specified in the applicable prospectus supplement, and any omission to comply with those obligations will not constitute a default or an event of default with respect to such debt securities (“covenant defeasance”).

We must comply with the following conditions before the defeasance or covenant defeasance can be effected:

we must irrevocably deposit with the indenture trustee or other qualifying trustee, under the terms of an irrevocable trust agreement in form and substance satisfactory to the trustee, trust funds in trust solely for the benefit of the holders of such debt securities, sufficient money or government obligations, or a combination thereof, to pay the principal, any interest and any other sums on the due dates for those payments; and

we must deliver to the trustee an opinion of counsel to the effect that the holders of such debt securities will not recognize income, gain or loss for federal income tax purposes as a result of defeasance or covenant defeasance, as the case may be, to be effected with respect to such debt securities and will be subject to federal income tax on the same amount, in the same manner and at the same times as would be the case if such defeasance or covenant defeasance, as the case may be, had not occurred.

In connection with defeasance, any irrevocable trust agreement contemplated by the indenture must include, among other things, provision for:

payment of the principal of and interest on such debt securities, if any, appertaining thereto when due (by redemption, sinking fund payments or otherwise),

the payment of the expenses of the trustee incurred or to be incurred in connection with carrying out such trust provisions,

rights of registration, transfer, substitution and exchange of such debt securities in accordance with the terms stated in the indenture, and

continuation of the rights, obligations and immunities of the trustee as against the holders of such debt securities as stated in the indenture.

The accompanying prospectus supplement may further describe any provisions permitting or restricting defeasance or covenant defeasance with respect to the debt securities of a particular series.

Global Securities

Unless otherwise indicated in the applicable prospectus supplement, each debt security offered by this prospectus will be issued in the form of one or more global debt securities representing all or part of that series of debt securities. This means that we will not issue certificates for that series of debt securities to the holders. Instead, a global debt security representing that series will be deposited with, or on behalf of, a securities depository and registered in the name of the depository or a nominee of the depository. Any such depository must be a clearing agency registered under the Exchange Act. We will describe the specific terms of the depository arrangement with respect to a series of debt securities to be represented by a global security in the applicable prospectus supplement.

Notices

We will give notices to holders of the debt securities by mail at the addresses listed in the security register. In the case of notice in respect of unregistered securities or coupon securities, we may give notice by publication in a newspaper of general circulation in New York, New York.

Governing Law

The particular terms of a series of debt securities will be described in a prospectus supplement relating to such series of debt securities. Any indentures will be subject to and governed by the Trust Indenture Act of 1939, as amended, and may be supplemented or amended from time to time following their execution. Unless otherwise stated in the applicable prospectus supplement, we will not be limited in the amount of debt securities that we may issue, and neither the senior debt securities nor the subordinated debt securities will be secured by any of our property or assets. Thus, by owning debt securities, you are one of our unsecured creditors.

Regarding the Trustee

From time to time, we may maintain deposit accounts and conduct other banking transactions with the trustee to be appointed under the indenture or its affiliates in the ordinary course of business.

DESCRIPTION OF WARRANTS

We may offer to sell warrants from time to time. If we do so, we will describe the specific terms of the warrants in a prospectus supplement. In particular, we may issue warrants for the purchase of common stock, preferred stock and/or debt securities in one or more series. We may also issue warrants independently or together with other securities and the warrants may be attached to or separate from those securities.

We will evidence each series of warrants by warrant certificates that we will issue under a separate agreement. We will enter into the warrant agreement with a warrant agent. We will indicate the name and address of the warrant agent in the applicable prospectus supplement relating to a particular series of warrants.

We will describe in the applicable prospectus supplement the terms of the series of warrants, including:

- the offering price and aggregate number of warrants offered;
- the currency for which the warrants may be purchased;
- if applicable, the designation and terms of the securities with which the warrants are issued and the number of warrants issued with each such security or each principal amount of such security;
- if applicable, the date on and after which the warrants and the related securities will be separately transferable;
- in the case of warrants to purchase debt securities, the principal amount of debt securities purchasable upon exercise of one warrant and the price at, and currency in which, this principal amount of debt securities may be purchased upon such exercise;
- in the case of warrants to purchase common stock or preferred stock, the number of shares of common stock or preferred stock, as the case may be, purchasable upon the exercise of one warrant and the price at which these shares may be purchased upon such exercise;
- the effect of any merger, consolidation, sale or other disposition of our business on the warrant agreement and the warrants;
- the terms of any rights to redeem or call the warrants;
- any provisions for changes to or adjustments in the exercise price or number of securities issuable upon exercise of the warrants;
- the dates on which the right to exercise the warrants will commence and expire;
- the manner in which the warrant agreement and warrants may be modified;
- certain United States federal income tax consequences of holding or exercising the warrants;
- the terms of the securities issuable upon exercise of the warrants; and
- any other specific material terms, preferences, rights or limitations of or restrictions on the warrants.

You may exercise the warrants by delivering the warrant certificate representing the warrants to be exercised together with other requested information, and paying the required amount to the warrant agent in immediately available funds, as provided in the applicable prospectus supplement. We will set forth in the applicable prospectus supplement the information that the holder of the warrant will be required to deliver to the warrant agent.

Upon receipt of the required payment and the warrant certificate properly completed and duly executed at the office of the warrant agent or any other office indicated in the applicable prospectus supplement, we will issue and deliver the securities purchasable upon such exercise. If you exercise fewer than all of the warrants represented by the warrant certificate, then we will issue you a new warrant certificate for the remaining amount of warrants.

You will not have any of the rights of the holders of the securities purchasable upon the exercise of warrants until you exercise them. Accordingly, you will not be entitled to, among other things, vote or receive dividend payments or similar distributions on the securities you can purchase upon exercise of the warrants.

The information provided above is only a summary of the terms under which we may offer warrants for sale. Accordingly, please carefully review the applicable warrant agreement for more information about the specific terms and conditions of these warrants before investing in us. In addition, please carefully review the information provided in the applicable prospectus supplement, which contains additional information that is important for you to consider in evaluating an investment in our securities.

LEGAL MATTERS

Certain legal matters with respect to the validity of the securities offered under this prospectus and any supplement hereto will be passed upon for us by Kane Kessler, P.C., New York, New York. Counsel for any underwriter or agents will be noted in the applicable prospectus supplement.

EXPERTS

The financial statements and the related financial statement schedule, incorporated in this Prospectus by reference from our Annual Report on Form 10-K for the year ended June 30, 2014 have been audited by Li & Company, PC, an independent registered public accounting firm, as stated in their report dated September 29, 2014, which is incorporated herein by reference, and have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and special reports, proxy statements and other information with the SEC. You may read and copy any documents that we have filed with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 for further information on the public reference room. Our Securities and Exchange Commission filings are also available to the public at the Securities and Exchange Commission's website at <http://www.sec.gov>.

This prospectus is part of a registration statement that we filed with the SEC. This prospectus and any subsequent prospectus supplements do not contain all of the information in the registration statement as permitted by the rules and regulations of the SEC. You can obtain a copy of the registration statement from the SEC at the address listed above or from the SEC's web site listed above.

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” some of the documents we file with it into this prospectus, which means:

- we can disclose important information to you by referring you to those documents;
- the information incorporated by reference is considered to be part of this prospectus; and
- later information that we file with the SEC will automatically update and supersede this incorporated information.

We incorporate by reference the documents listed below, which were filed with the SEC under the Exchange Act:

• our Annual Report on Form 10-K for the fiscal year ended June 30, 2014, filed with the SEC on September 29, 2014, and as amended on September 30, 2014;

- our Form 8-K (Item 8.01) filed September 5, 2014;
- our Form 8-K (Items 1.01, 2.03, 3.02 and 9.01) filed July 9, 2014;
- our Form 8-K (Item 3.03) filed June 25, 2014;
- our Form 8-K (Item 7.01 and 9.01) filed on June 2, 2014;

• our Quarterly Report on Form 10-Q for the fiscal quarter ended March 31, 2014, filed with the SEC on May 15, 2014;

• our Quarterly Report on Form 10-Q for the fiscal quarter ended September 30, 2013, filed with the SEC on November 14, 2013, and as amended on November 18, 2013;

- our Form 8-K (Item 3.03) filed on February 26, 2014 and as amended on February 28, 2014; and

• our Quarterly Report on Form 10-Q for the fiscal quarter ended December 31, 2013, filed with the SEC on February 14, 2014.

All documents filed under Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act (not including any information furnished under Item 2.02 or Item 7.01 of Form 8-K, which information is not incorporated by reference herein), after the date of this prospectus and prior to the termination of this offering shall be deemed to be incorporated by reference in this prospectus and to be part of this prospectus from the date they are filed. In addition, all documents filed pursuant to Sections 13(a), 13(c), 14 or 15(d) of the Exchange Act after the date of the initial registration statement and prior to the effectiveness of the registration statement of which this prospectus forms a part shall be deemed to be incorporated by reference in this prospectus and to be part of this prospectus from the date they are filed.

You should assume that the information appearing in this prospectus is accurate as of the date of this prospectus only. Our business, financial position and results of operations may have changed since that date.

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We will provide without charge to each person, including any beneficial owner, to whom a prospectus is delivered, upon written or oral request of that person, a copy of any and all of the information that has been incorporated by reference in this prospectus (excluding exhibits unless specifically incorporated by reference into those documents). Please direct requests to us at the following address:

NANOIRICIDES, INC.

135 Wood Street

Suite 205

West Haven, Connecticut 06516

(203) 937-6137

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NANOIRICIDES, INC.

\$50,000,000

Common Stock

Preferred Stock

Debt Securities

Warrants

Units

We have not authorized any dealer, salesperson or other person to give you written information other than this prospectus or to make representations as to matters not stated in this prospectus. You must not rely on unauthorized information. This prospectus is not an offer to sell these securities or our solicitation of your offer to buy the securities in any jurisdiction where that would not be permitted or legal. Neither the delivery of this prospectus nor any of the sales made hereunder after the date of this prospectus shall create an implication that the information contained herein or our affairs have not changed since the date hereof.

PART II**INFORMATION NOT REQUIRED IN PROSPECTUS****Item 14. *Other Expenses of Issuance and Distribution.***

The following is a statement of the estimated costs and expenses (other than underwriting compensation) incurred or expected to be incurred by us in connection with the issuance and distribution of an assumed amount of \$50,000,000 of securities being registered pursuant to this Registration Statement, other than underwriting discounts and commissions, estimated to be at eight percent (8%) of the proceeds raised. The assumed amount has been used to demonstrate the costs and expenses of an offering and does not represent an estimate of the amount of securities that may be registered or distributed because such amount is unknown at this time:

Securities and Exchange Commission Registration Fee	\$5,810
Legal Fees and Expenses	\$40,000
Accounting Fees and Expenses	\$5,000
Printing and Engraving Expenses	\$5,000
Miscellaneous (including any applicable listing fees, trustee and transfer agent fees and expenses)	\$20,000
TOTAL	\$75,810

*These fees are not presently known and cannot be estimated at this time as they are based upon the amount and type of security being offered as well as the number of offerings.

Item 15. *Indemnification of Directors and Officers.*

Neither our Articles of Incorporation nor Bylaws prevent us from indemnifying our officers, directors and agents to the extent permitted under the Nevada Revised Statute ("NRS"). NRS Section 78.7502, provides that a corporation shall indemnify any director, officer, employee or agent of a corporation against expenses, including attorneys' fees, actually and reasonably incurred by him in connection with any the defense to the extent that a director, officer, employee or agent of a corporation has been successful on the merits or otherwise in defense of any action, suit or proceeding referred to Section 78.7502(1) or 78.7502(2), or in defense of any claim, issue or matter therein. NRS 78.7502(1) provides that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, except an action by or in the right of the corporation, by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against expenses, including attorneys' fees, judgments, fines and amounts paid in settlement actually and reasonably incurred

by him in connection with the action, suit or proceeding if he: (a) is not liable pursuant to NRS 78.138; or (b) acted in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the corporation, and, with respect to any criminal action or proceeding, had no reasonable cause to believe his conduct was unlawful.

NRS Section 78.7502(2) provides that a corporation may indemnify any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action or suit by or in the right of the corporation to procure a judgment in its favor by reason of the fact that he is or was a director, officer, employee or agent of the corporation, or is or was serving at the request of the corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise against expenses, including amounts paid in settlement and attorneys' fees actually and reasonably incurred by him in connection with the defense or settlement of the action or suit if he: (a) is not liable pursuant to NRS 78.138; or (b) acted in good faith and in a manner which he reasonably believed to be in or not opposed to the best interests of the corporation.

Insofar as indemnification for liabilities arising under the Securities Act of 1933, as amended, may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, we have been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim of indemnification against such liabilities (other than the payment by us of expenses incurred or paid by a director, officer or controlling person of ours in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, we will, unless in the opinion of our counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by us is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

Item 16. Exhibits

The exhibits required to be filed as a part of this Registration Statement are listed in the Exhibit Index attached hereto and incorporated herein by reference.

Item 17. Undertakings.

(a) The undersigned registrant hereby undertakes:

(1) to file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933.

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (1)(i), (1)(ii) and (1)(iii) do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(6) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchase in the initial distribution of the securities the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to the purchaser:

(i) any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) the portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liability (other than a payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceedings) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

(c) The undersigned registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act in accordance with the rules and regulations prescribed by the SEC under Section 305(b)(2) of such Act.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of West Haven, State of Connecticut, on October 31, 2014.

NANOIRICIDES, INC.

By: */s/ Eugene Seymour*
 Name: Eugene Seymour, MD MPH
 Title: Chief Executive Officer, Director

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
<i>/s/ Anil Diwan</i> Anil Diwan	President and Chairman	October 31, 2014
<i>/s/ Eugene Seymour</i> Eugene Seymour	Chief Executive Officer (Principal executive officer)	October 31, 2014
<i>/s/ Meeta Vyas</i> Meeta Vyas	Chief Financial Officer (Principal financial and accounting officer)	October 31, 2014
<i>/s/ Milton Boniuk</i> Milton Boniuk	Director	October 31, 2014
<i>/s/ Stanley Glick</i> Stanley Glick	Director	October 31, 2014
<i>/s/ Mukund Kulkarni</i> Mukund Kulkarni	Director	October 31, 2014

POWER OF ATTORNEY

Know all persons by these presents that each individual whose signature appears below constitutes and appoints Eugene Seymour, our Chief Executive Officer, Principal Executive Officer and a director, as a true and lawful attorney-in-fact and agent, with full power of substitution and re-substitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this registration statement, and to sign any registration statement for the same offering covered by this registration statement that is to be effective upon filing under Rule 462 promulgated under the Securities Act of 1933, and all pre-and post-effective amendments thereto, and to file the same, with all exhibits thereto and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or any one of them, or his or their substitutes, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

Signature	Title	Date
<i>/s/ Anil Diwan</i> Anil Diwan	President and Chairman	October 31, 2014
<i>/s/ Eugene Seymour</i> Eugene Seymour	Chief Executive Officer (Principal executive officer)	October 31, 2014
<i>/s/ Meeta Vyas</i> Meeta Vyas	Chief Financial Officer (Principal financial and accounting officer)	October 31, 2014
<i>/s/ Milton Boniuk</i> Milton Boniuk	Director	October 31, 2014
<i>/s/ Stanley Glick</i> Stanley Glick	Director	October 31, 2014
<i>/s/ Mukund Kulkarni</i> Mukund Kulkarni	Director	October 31, 2014

EXHIBIT INDEX

Exhibit Description

- 1.1 Form of Underwriting Agreement*
- 4.1 Specimen stock certificate for common stock (incorporated by reference to Form 10-SB, filed November 11, 2006)
- 4.2 Form of certificate of designation for preferred stock*
- 4.3 Form of Indenture relating to the issuance from time to time in one or more series of debentures, notes, bonds or other evidences of indebtedness(1)
- 4.4 Form of senior debt security*
- 4.5 Form of subordinated debt security*
- 4.6 Form of warrant agreement*
- 5.1 Opinion of Counsel as to legality of securities being registered(1)
- 23.1 Consent of Counsel (contained in Exhibit 5)
- 23.2 Consent of Li & Company, PC, Independent Registered Public Accounting Firm(1)
- 24 Power of Attorney (included on signature page)
- 25 Form T-1 Statement of Eligibility of Trustee under the Trust Indenture Act of 1939, as amended**

* To be filed, if necessary, with a Current Report on Form 8-K or a Post-Effective Amendment to the registration statement.

**To be filed pursuant to Section 305(b)(2) of the Trust Indenture Act of 1939.

(1)Filed herewith.