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

FORM S-8

REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

**VOLITIONRX LIMITED**

(Exact name of registrant as specified in its charter)

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

**91-1949078**  
(I.R.S. Employer  
Identification Number)

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**1 Scotts Road  
#24-05 Shaw Centre  
Singapore 228208**  
(Address of Principal Executive Offices; Zip Code)

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**VolitionRx 2015 Stock Incentive Plan, as amended**  
(Full title of the plan)

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**Agents and Corporations, Inc.  
1201 Orange Street, Suite 600  
Wilmington, Delaware 19801**  
(Name and address of agent for service)

**+1 (302) 575-0877**  
(Telephone number, including area code, of agent for service)

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**Copies to:  
Marc G. Alcer  
Stradling Yocca Carlson & Rauth  
660 Newport Center Drive, Suite 1600  
Newport Beach, California 92660  
(949) 725-4000**

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

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/> (Do not check if a smaller reporting company)	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

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### CALCULATION OF REGISTRATION FEE

<b>Title of Each Class of Securities to be Registered</b>	<b>Amount to be Registered<sup>(1)(2)</sup></b>	<b>Proposed Maximum Offering Price Per Share<sup>(3)</sup></b>	<b>Proposed Maximum Aggregate Offering Price<sup>(3)</sup></b>	<b>Amount of Registration Fee<sup>(3)</sup></b>
Common Stock, par value \$0.001 per share	750,000	\$2.32	\$1,740,000.00	\$216.63

- (1) Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall also cover any additional shares of the registrant's common stock that become issuable under the registrant's 2015 Stock Incentive Plan, as amended (the "Plan"), by reason of any stock dividend, stock split, recapitalization or any similar transaction effected without the receipt of consideration that results in an increase in the number of the registrant's outstanding shares of common stock.
- (2) Represents 750,000 additional shares of the registrant's common stock reserved for issuance pursuant to the Plan.
- (3) Estimated pursuant to Rule 457(c) and Rule 457(h) of the Securities Act, solely for purposes of calculating the registration fee, which is the average of the high and low sales price of the registrant's common stock as reported on the NYSE American on September 21, 2018.

## REGISTRATION OF ADDITIONAL SECURITIES PURSUANT TO GENERAL INSTRUCTION E.

Pursuant to General Instruction E to Form S-8, this Registration Statement on Form S-8 (this "Registration Statement") is being filed for the purpose of registering an additional 750,000 shares of VolitionRx Limited (the "Registrant") common stock, par value \$0.001 per share ("Common Stock"), reserved for issuance under the Registrant's 2015 Stock Incentive Plan, as amended (the "Plan"). The Registrant previously registered for issuance under the Plan: (i) 1,000,000 shares of its Common Stock pursuant to a registration statement on Form S-8 (File No. 333-208512), filed with the Securities and Exchange Commission (the "Commission") on December 11, 2015, (ii) an additional 750,000 shares of its Common Stock pursuant to a registration statement on Form S-8 (File No. 333-214118), filed with the Commission on October 14, 2016, and (iii) an additional 750,000 shares of its Common Stock pursuant to a registration statement on Form S-8 (File No. 333-221054), filed with the Commission on October 20, 2017. The contents of the foregoing registration statements on Form S-8 are incorporated herein by reference. The documents containing the information specified in Part I of Form S-8 will be delivered to the participants in the 2015 Stock Incentive Plan as specified by Rule 428(b)(1) under the Securities Act of 1933, as amended.

### PART II INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

#### Item 3. Incorporation of Documents by Reference.

The following documents, which have been filed by the Registrant with the Commission pursuant to the Securities Exchange Act of 1934, as amended (the "Exchange Act"), are hereby incorporated by reference herein, and shall be deemed to be part of, this Registration Statement:

- (a) The Registrant's Annual Report on Form 10-K for the fiscal year ended December 31, 2017 filed with the Commission on March 1, 2018 (File No. 001-36833);
- (b) All other reports filed pursuant to Section 13(a) or 15(d) of the Exchange Act since the end of the fiscal year covered by the Registrant's Annual Report referred to in (a) above (other than the portions of such documents not deemed to be filed); and
- (c) The description of the Registrant's common stock which is contained in the Registration Statement on Form 8-A, filed with the Commission on February 3, 2015 (File No. 001-36833) pursuant to Section 12(b) of the Exchange Act, and any amendments or reports filed for the purpose of updating such description.

All other documents filed by the Registrant pursuant to Sections 13(a), 13(c), 14 and 15(d) of the Exchange Act, subsequent to the date of the filing of this Registration Statement and prior to the filing of a post-effective amendment that indicates that all securities registered hereunder have been sold, or that deregisters all securities then remaining unsold, shall be deemed to be incorporated by reference in this Registration Statement and to be a part hereof from the date of the filing of such documents. Any statement contained in a document incorporated or deemed to be incorporated by reference herein shall be deemed to be modified or superseded for purposes of this Registration Statement to the extent that a statement contained herein or in any subsequently filed document that also is deemed to be incorporated by reference herein modifies or supersedes such statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this Registration Statement. Under no circumstances will any information filed under Items 2.02 or 7.01 of Form 8-K, and exhibits furnished on such form that relate to such items, be deemed incorporated herein by reference unless such Form 8-K expressly provides for the contrary.

#### Item 8. Exhibits.

A list of exhibits filed with this Registration Statement is set forth in the Exhibit Index and is incorporated herein by reference.

## 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-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of London, United Kingdom, on September 27, 2018.

### VOLITIONRX LIMITED

By: /s/ Cameron Reynolds  
Cameron Reynolds  
President and Chief Executive Officer  
(Authorized Signatory and Principal Executive Officer)

### POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each individual whose signature appears below constitutes and appoints Cameron Reynolds and Rodney Rootsart, and each of them, acting individually, his true and lawful attorneys-in-fact and agent with full power of 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 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 and necessary to be done with in connection therewith, 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 either of them, or his or their substitute or substitutes, may lawfully do or cause to be done or by virtue hereof.

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

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Cameron Reynolds</u> Cameron Reynolds	President, Chief Executive Officer and Director (Principal Executive Officer)	Dated: September 27, 2018
<u>/s/ David Vanston</u> David Vanston	Chief Financial Officer and Treasurer (Principal Financial and Accounting Officer)	Dated: September 27, 2018
<u>/s/ Rodney Gerard Rootsart</u> Rodney Gerard Rootsart	Secretary	Dated: September 27, 2018
<u>/s/ Dr. Martin Faulkes</u> Dr. Martin Faulkes	Director	Dated: September 27, 2018
<u>/s/ Guy Innes</u> Guy Innes	Director	Dated: September 27, 2018
<u>/s/ Dr. Alan Colman</u> Dr. Alan Colman	Director	Dated: September 27, 2018
<u>/s/ Dr. Habib Skaff</u> Dr. Habib Skaff	Director	Dated: September 27, 2018
<u>/s/ Dr. Edward Fatcher</u> Dr. Edward Fatcher	Director	Dated: September 27, 2018

**EXHIBIT INDEX**

<b>Exhibit Number</b>	<b>Exhibit Description</b>	<b>Incorporated by Reference</b>				<b>Filed Herewith</b>
		<b>Form</b>	<b>File No.</b>	<b>Exhibit</b>	<b>Filing Date</b>	
<a href="#">4.1</a>	Second Amended and Restated Certificate of Incorporation.	8-K	001-36833	3.1	10/11/16	
<a href="#">4.2</a>	Amended and Restated Bylaws.	S-8	333-208512	4.2	12/11/15	
<a href="#">5.1</a>	Opinion of Stradling Yocca Carlson & Rauth, a Professional Corporation.					X
<a href="#">10.1</a>	2015 Stock Incentive Plan, as amended.	8-K	001-36833	10.1	9/11/18	
<a href="#">10.2</a>	Form of Notice of Stock Option Grant and Stock Option Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.2	10/14/16	
<a href="#">10.3</a>	Form of Notice of Restricted Stock Award and Restricted Stock Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.3	10/14/16	
<a href="#">10.4</a>	Form of Notice of Stock Bonus Award and Stock Bonus Award Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.4	10/14/16	
<a href="#">10.5</a>	Form of Notice of Stock Appreciation Right Award and Stock Appreciation Right Award Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.5	10/14/16	
<a href="#">10.6</a>	Form of Notice of Restricted Stock Unit Award and Restricted Stock Unit Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.6	10/14/16	
<a href="#">10.7</a>	Form of Notice of Performance Shares Award and Performance Shares Agreement under the 2015 Stock Incentive Plan.	S-8	333-214118	10.7	10/14/16	
<a href="#">23.1</a>	Consent of Stradling Yocca Carlson & Rauth, a Professional Corporation (contained in Exhibit 5.1).					X
<a href="#">23.2</a>	Consent of Independent Registered Public Accounting Firm.					X
24.1	Power of Attorney (contained on signature page).					X



STRADLING YOCCA CARLSON & RAUTH, P.C.  
660 NEWPORT CENTER DRIVE, SUITE 1600  
NEWPORT BEACH, CA 92660-6422  
SYCR.COM

CALIFORNIA  
NEWPORT BEACH  
SACRAMENTO  
SAN DIEGO  
SAN FRANCISCO  
SANTA BARBARA  
SANTA MONICA

COLORADO  
DENVER

NEVADA  
RENO

WASHINGTON  
SEATTLE

September 27, 2018

VolitionRx Limited  
1 Scotts Road  
#24-05 Shaw Centre  
Singapore 228208

Re: *Securities Registered under Registration Statement on Form S-8*

Ladies and Gentlemen:

You have requested our opinion with respect to certain matters in connection with the filing by VolitionRx Limited, a Delaware corporation (the "Company"), of a Registration Statement on Form S-8 (as may be amended or supplemented, the "Registration Statement") with the Securities and Exchange Commission (the "Commission") covering the offering of up to an additional 750,000 shares (the "Shares") of the Company's common stock, par value \$0.001 per share, pursuant to the Company's 2015 Stock Incentive Plan (the "Plan"). In accordance with General Instruction E to Form S-8, the Shares to be registered as set forth above represent the number of additional shares that are issuable pursuant to the Plan. This opinion is being furnished in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act of 1933, as amended, and no opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement, other than as to the validity of the Shares.

In our capacity as your counsel in connection with such registration, we are familiar with the proceedings taken and proposed to be taken by the Company in connection with the authorization, issuance and sale of the Shares. For purposes of this opinion, we have assumed that such proceedings to be taken in the future will be timely completed in the manner presently proposed and that the terms of each issuance will otherwise be in compliance with law. In addition, we have examined such matters of fact and questions of law as we have considered appropriate for purposes of this letter. We have assumed the authenticity of all documents submitted to us as originals, the conformity to originals of all documents submitted to us as copies thereof and the genuineness of all signatures. As to questions of fact material to our opinion, we have relied upon the certificates of certain officers of the Company.

Based on the foregoing, we are of the opinion that the Shares, when issued and sold in accordance with the terms of the Plan, and the related agreements, will be validly issued, fully paid and non-assessable.

We render this opinion only with respect to the General Corporation Law of the State of Delaware, and we express no opinion herein concerning the application or effect of the laws of any other jurisdiction, or, in the case of Delaware, any other laws, or as to any matters of municipal law or the laws of any local agencies within any state.

We hereby consent to the use of this opinion as Exhibit 5.1 to the Registration Statement and further consent to the use of our name wherever appearing in the Registration Statement. In giving such consent, we do not hereby admit that we are within the category of persons whose consent is required under Section 7 of the Securities Act of 1933, as amended, or the rules and regulations thereunder.

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September 27, 2018

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This opinion is intended solely for use in connection with the issuance and sale of the Shares pursuant to the Registration Statement and is not to be relied upon for any other purpose or delivered to or relied upon by any other person without our prior written consent. This opinion is rendered as of the date hereof and based solely on our understanding of facts in existence as of such date after the examination described in this opinion. We assume no obligation to advise you of any fact, circumstance, event or change in the law or the facts that may hereafter be brought to our attention whether or not such occurrence would affect or modify the opinions expressed herein.

Very truly yours,

STRADLING YOCCA CARLSON & RAUTH, P.C.

*/s/ Stradling Yocca Carlson & Rauth, P.C*



**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

To the Audit Committee  
VolitionRX Limited

As independent registered public accountants, we hereby consent to the incorporation by reference in this Registration Statement on Form S-8 (dated September 27, 2018) pertaining to the 2015 Stock Incentive Plan, as amended, of VolitionRX Limited of our report dated March 1, 2018 with respect to the consolidated financial statements of VolitionRX Limited included in its Annual Report (Form 10-K) for the years ended December 31, 2017 and 2016, filed with the Securities and Exchange Commission.

*/s/ Sadler, Gibb & Associates, LLC*

Salt Lake City, UT  
September 27, 2018

office 801.783.2950  
fax 801.783.2960

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