

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549**

FORM 8-A

**FOR REGISTRATION OF CERTAIN CLASSES OF SECURITIES
PURSUANT TO SECTION 12(b) OR (g) OF THE
SECURITIES EXCHANGE ACT OF 1934**

Sophiris Bio Inc.

(Exact name of registrant as specified in its charter)

British Columbia
(State of incorporation or organization)

98-1008712
(I.R.S. Employer Identification No.)

1258 Prospect Street
La Jolla, CA
(Address of principal executive offices)

92037
(Zip Code)

Securities to be registered pursuant to Section 12(b) of the Act:

Title of each class
to be so registered
Common Shares, no par value

Name of exchange on which
each class is to be registered
The NASDAQ Stock Market LLC

If this form relates to the registration of a class of securities pursuant to Section 12(b) of the Exchange Act and is effective pursuant to General Instruction A. (c), check the following box.

If this form relates to the registration of a class of securities pursuant to Section 12(g) of the Exchange Act and is effective pursuant to General Instruction A. (d), check the following box.

Securities Act registration statement file number to which the form relates:
333-186724

Securities to be registered pursuant to Section 12(g) of the Act:
None

(Title of class)

Item 1. Description of Registrant's Securities to be Registered.

A description of the common shares, no par value, of Sophiris Bio Inc., a corporation organized under the laws of British Columbia, Canada (the "Registrant"), to be registered hereunder is contained in the section entitled "Description of Share Capital" in the prospectus included in the Registrant's Registration Statement on Form S-1 (File No. 333-186724), initially filed with the Securities and Exchange Commission (the "Commission") on February 15, 2013, as amended from time to time (the "Registration Statement"), and is incorporated herein by reference. Any form of prospectus subsequently filed by the Registrant with the Commission pursuant to Rule 424(b) under the Securities Act of 1933, as amended, that constitutes part of the Registration Statement shall be deemed to be incorporated herein by reference.

Item 2. Exhibits.

Under the "Instructions as to Exhibits" with respect to Form 8-A, no exhibits are required to be filed with this registration statement because no other securities of the Registrant are registered on The NASDAQ Stock Market LLC and the securities registered hereby are not being registered pursuant to Section 12(g) of the Securities Exchange Act of 1934, as amended.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, as amended, the Registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

SOPHIRIS BIO INC.

Date: August 9, 2013

By: /s/ Randall E. Woods
Randall E. Woods
Chief Executive Officer and President