| SEC For | m 4 FORM | 4 | UNITED | STA | TES | s se | | | | | | NGE C | OMMI | SSION | | | | |
|---|--|-------------------------------|--|-------------------------------|--|--|--|--------|--|--------|--------------------|---|---|---|--|----------------|--|---|
| | | | | | | | V | lashii | ngton, D.C. | 2054 | 49 | | | | | ОМВ | APPROV | /AL |
| Section obligat | this box if no lo n 16. Form 4 or ions may contir tion 1(b). | | STAT | | d purs | suant | to Sectior | n 16(a | A) of the Se Investment | curiti | es Exchan | ge Act of 1 | | SHIP | Estim | | er: 3 verage burden sponse: | 0.5 |
| | nd Address of Contractions of Contractions of | Reporting Person [*] | | | | | | | ker or Tradi ces Ltd | | | | (Ch | elationship o eck all applio X Directo | able) | g Pers | on(s) to Issu 10% Ow | |
| (Last) (First) (Middle) C/O WAVE LIFE SCIENCES LTD., 733 CONCORD AVE. | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 08/15/2022 | | | | | | | | Officer (give title Other (specify below) below) | | | | |
| (Street) CAMBRIDGE MA 02138 | | | 02138 | | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | Line | 6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting | | | | | |
| (City) (State) (Zip) | | | | | | | | | | | | | Person | | | | | |
| | | Tab | ole I - Non- | Deriva | ative | e Se | curities | s Ac | quired, I | Disj | posed o | f, or Be | neficial | ly Owned | | | | |
| Date | | | | 2. Transa Date (Month/D | | ar) i | 2A. Deeme Execution f any (Month/Da | Date, | , Transaction Dispose Code (Instr. 5) | | Disposed | rities Acquired (A) ed Of (D) (Instr. 3, 4 | | Beneficia Owned F | s Form Ally (D) ollowing (I) (I | Form (D) or | m: Direct o or Indirect E nstr. 4) C | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | | Code | v | Amount | (A) oi (D) | Price | Price Reported Transaction (Instr. 3 and | | | | |
| | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | | | | | | | | | | |
| 1. Title of Derivative Security (Instr. 3) | ative Conversion Date Execution I rity or Exercise (Month/Day/Year) if any | | 3A. Deemed Execution Da if any (Month/Day/N | Date, Trans Code | | | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | • | 7. Title an Amount o Securities Underlyin Derivative (Instr. 3 a | of 9 9 Security | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | | 10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Beneficial Ownership (Instr. 4) |
| | | | | c | ode | v | (A) | (D) | Date Exercisabl | | Expiration Date | Title | Amount or Number of Shares | | | | | |
| Share Option (right to buy) | \$3.5 | 08/15/2022 | | | Α | | 21,000 | | (1) | 0 | 08/15/2027 | Ordinary Shares | 21,000 | \$0.00 | 21,00 | 0 | D | |

Explanation of Responses:

1. The reporting persons was granted this option pursuant to the Non-Employee Director Compensation Policy. The option vests as to 100% of the shares on the earlier of the Company's 2023 annual general meeting or August 15, 2023.

Remarks:

| /s/ Gregory L. Verdine | /s/ Gre | <u>gory L.</u> | Verdine |
|------------------------|---------|----------------|---------|
|------------------------|---------|----------------|---------|

<u>08/17/2022</u> Date

** Signature of Reporting Person

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

 * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

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

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

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