THE GLOBAL OFFERING

This prospectus is published in connection with the Hong Kong Public Offering as part of the Global Offering. The Global Offering of 79,968,700 H Shares comprises:

- (i) the Hong Kong Public Offering of initially 7,997,200 H Shares (subject to reallocation) for subscription by the public in Hong Kong as described in the paragraph headed "The Hong Kong Public Offering" below; and
- (ii) the International Offering of initially 71,971,500 H Shares (subject to reallocation and the Over-allotment Option), outside the United States in offshore transactions in accordance with Regulation S, as described in the paragraph headed "The International Offering" below.

The 79,968,700 H Shares being offered by the Company under the Global Offering will represent approximately 25% of the Company's enlarged share capital immediately after completion of the Global Offering, assuming the Over-allotment Option is not exercised. If the Over-allotment Option is exercised in full, the Offer Shares will represent approximately 27.71% of the issued share capital of the Company immediately following the completion of the Global Offering.

Investors may apply for the Hong Kong Offer Shares under the Hong Kong Public Offering or apply for or indicate an interest in the International Offer Shares under the International Offering, but may not do both.

The Company has obtained the requisite PRC governmental approvals, including the approval of the CSRC, in respect of the Global Offering.

References in this prospectus to applications, Application Forms, application monies or the procedure for applications relate solely to the Hong Kong Public Offering.

THE HONG KONG PUBLIC OFFERING

Number of Offer Shares initially offered

The Company is initially offering 7,997,200 H Shares for subscription by the public in Hong Kong at the Offer Price, representing approximately 10% of the total number of Offer Shares initially available under the Global Offering subject to the reallocation of Offer Shares between the International Offering and the Hong Kong Public Offering, and assuming that the Over-allotment Option is not exercised.

The Hong Kong Public Offering is open to the public in Hong Kong as well as to institutional and professional investors. Professional investors generally include brokers, dealers, companies (including fund managers) whose ordinary business involves dealing in shares and other securities and corporate entities that regularly invest in shares and other securities.

Completion of the Hong Kong Public Offering is subject to the conditions set out in the paragraph headed "Conditions of the Global Offering" below.

Allocation

Allocation of the Offer Shares to investors under the Hong Kong Public Offering will be based solely on the level of valid applications received under the Hong Kong Public Offering. The basis of

allocation may vary, depending on the number of Hong Kong Offer Shares validly applied for by applicants. Such allocation could, where appropriate, consist of balloting, which could mean that some applicants may receive a higher allocation than others who have applied for the same number of Hong Kong Offer Shares, and those applicants who are not successful in the ballot may not receive any Hong Kong Offer Shares.

For allocation purposes only, the total number of Hong Kong Offer Shares available under the Hong Kong Public Offering (after taking into account any reallocation referred to below) will be divided equally (to the nearest board lot) into two pools: pool A and pool B. The Hong Kong Offer Shares in pool A will consist of 3,998,600 Offer Shares (being 50% of the total number of Offer Shares initially available under the Hong Kong Public Offering) and will be allocated on an equitable basis to applicants who have applied for Hong Kong Offer Shares with an aggregate price of HK\$5 million or less (excluding the brokerage, the SFC transaction levy and the Stock Exchange trading fee payable). The Hong Kong Offer Shares in pool B will consist of 3,998,600 Offer Shares (being 50% of the total number of Offer shares initially available under the Hong Kong Public Offering) will be allocated on an equitable basis to applicants who have applied for Hong Kong Offer Shares with an aggregate price of more than HK\$5 million and up to the value of pool B (excluding the brokerage, the SFC transaction levy and the Stock Exchange trading fee payable).

Investors should be aware that applications in pool A and applications in pool B may receive different allocation ratios. If any Hong Kong Offer Shares in one (but not both) of the pools are unsubscribed, such unsubscribed Hong Kong Offer Shares will be transferred to the other pool to satisfy demand in that other pool and be allocated accordingly. For the purpose of the immediately preceding paragraph only, the "subscription price" for Hong Kong Offer Shares means the price payable on application therefor (without regard to the Offer Price as finally determined). Applicants can only receive an allocation of Hong Kong Offer Shares from either pool A or pool B and not from both pools. Multiple or suspected multiple applications under the Hong Kong Public Offering and any application for more than 3,998,600 Offer Shares, being the number of Hong Kong Offer Shares initially allocated to each pool, are liable to be rejected.

Reallocation

The allocation of the Offer Shares between the Hong Kong Public Offering and the International Offering is subject to adjustment. If the number of Shares validly applied for under the Hong Kong Public Offering represents 15 times or more but less than 50 times the number of Shares initially available for subscription under the Hong Kong Public Offering, then Offer Shares will be reallocated to the Hong Kong Public Offering from the International Offering, so that the total number of Offer Shares available under the Hong Kong Public Offering will be 23,990,800 Offer Shares, representing approximately 30% of the Offer Shares initially available under the Global Offering. If the number of Offer Shares validly applied for under the Hong Kong Public Offering represents 50 times or more but less than 100 times the number of Offer Shares initially available for subscription under the Hong Kong Public Offering, then the number of Offer Shares to be reallocated to the Hong Kong Public Offering from the International Offering will be increased so that the total number of Offer Shares available under the Hong Kong Public Offering will be 31,987,600 H Shares, representing approximately 40% of the Offer Shares initially available under the Global Offering. If the number of Shares validly applied for under the Hong Kong Public Offering represents 100 times or more the number of Shares initially available for subscription under the Hong Kong Public Offering, then the number of Offer Shares to be reallocated to the Hong Kong Public Offering from the

International Offering will be increased, so that the total number of Offer Shares available under the Hong Kong Public Offering will be 39,984,400 Offer Shares, representing approximately 50% of the Offer Shares initially available under the Global Offering. In each such case, the additional Shares reallocated to the Hong Kong Public Offering will be allocated equally (subject to adjustment of odd lot size) between pool A and pool B and the number of Offer Shares allocated to the International Offering will be correspondingly reduced, in such manner as the Sole Representative deems appropriate.

In addition, if the Hong Kong Public Offering is not fully subscribed, the Sole Representative will have the discretion (but shall not be under any obligation) to reallocate to the International Offering all or any unsubscribed Hong Kong Offer Shares in such proportion and amounts as they deem appropriate. Conversely, if the International Offer Shares are undersubscribed under the Global Offering and the Hong Kong Offer Shares are fully subscribed or oversubscribed irrespective of the number of times of the initial number of the Hong Kong Offer Shares, then up to 7,997,200 Offer Shares may be reallocated to the Hong Kong Public Offering from the International Offering, so that the total number of Offer Shares available for subscription under the Hong Kong Public Offering will increase up to 15,994,400 H Shares, representing approximately 20% of the number of the Offer Shares initially available under the Global Offering (before any exercise of the Over-allotment Option).

In the event of reallocation of Offer Shares between the International Offering and the Hong Kong Public Offering in the circumstances where (a) the International Offer Shares are fully subscribed or oversubscribed and the Hong Kong Offer Shares are fully subscribed or oversubscribed by less than 15 times; or (b) the International Offer Shares are undersubscribed and the Hong Kong Offer Shares are fully subscribed or oversubscribed, the Offer Price shall be fixed at HK\$17.80 per Offer Share (being the low-end of the indicative Offer Price range stated in this prospectus).

If such reallocation is done other than pursuant to Practice Note 18 of the Listing Rules, in accordance with Guidance Letter HKEX-GL91-18, the maximum total number of Offer Shares that may be reallocated to the Hong Kong Public Offering will be 15,994,400 H Shares, representing double of the initial allocation to the Hong Kong Public Offering, and the final Offer Price shall be fixed at the low-end of the indicative offer price range (that is, HK\$17.80 per Offer Share) stated in this prospectus.

References in this prospectus to applications, Application Forms, application or subscription monies or the procedure for application relate solely to the Hong Kong Public Offering.

Applications

Each applicant under the Hong Kong Public Offering will be required to give an undertaking and confirmation in the application submitted by him that he and any person(s) for whose benefit he is making the application has not applied for or taken up, or indicated an interest for, and will not apply for or take up, or indicate an interest for, any International Offer Shares under the International Offering. Such applicant's application is liable to be rejected if such undertaking and/or confirmation is breached and/or untrue (as the case may be) or if it has been or will be placed or allocated International Offer Shares under the International Offering.

The listing of the H Shares on the Stock Exchange is sponsored by the Sole Sponsor. Applicants under the Hong Kong Public Offering are required to pay, on application, the maximum Offer Price of HK\$24.20 per Offer Share in addition to the brokerage, the SFC transaction levy and the

Stock Exchange trading fee payable on each Offer Share, amounting to a total of HK\$4,888.77 for one board lot of 200 H Shares. If the Offer Price, as finally determined in the manner described in the paragraph headed "Pricing and Allocation" below, is less than the maximum Offer Price of HK\$24.20 per Offer Share, appropriate refund payments (including the brokerage, the SFC transaction levy and the Stock Exchange trading fee attributable to the surplus application monies) will be made to successful applicants, without interest. Further details are set out in the section headed "How to Apply for Hong Kong Offer Shares" in this prospectus.

THE INTERNATIONAL OFFERING

Number of Offer Shares offered

The International Offering will consist of an offering of initially 71,971,500 H Shares, representing approximately 90% of the total number of Offer Shares initially available under the Global Offering subject to the reallocation of Offer Shares between the International Offering and the Hong Kong Public Offering, and assuming that the Over-allotment Option is not exercised.

Allocation

The International Offering will include selective marketing of Offer Shares to institutional and professional investors and other investors anticipated to have a sizeable demand for such Offer Shares in Hong Kong and other jurisdictions outside the United States in reliance on Regulation S. Professional investors generally include brokers, dealers, companies (including fund managers) whose ordinary business involves dealing in shares and other securities and corporate entities that regularly invest in shares and other securities. Allocation of Offer Shares pursuant to the International Offering will be effected in accordance with the "book-building" process described in section headed "Pricing and Allocation" below and based on a number of factors, including the level and timing of demand, the total size of the relevant investor's invested assets or equity assets in the relevant sector and whether or not it is expected that the relevant investor is likely to buy further H Shares, and/or hold or sell its H Shares, after the Listing. Such allocation is intended to result in a distribution of the H Shares on a basis which would lead to the establishment of a solid professional and institutional shareholder base to the benefit of the Company and the Shareholders as a whole.

The Joint Global Coordinators (on behalf of the International Underwriters) may require any investor who has been offered Offer Shares under the International Offering and who has made an application under the Hong Kong Public Offering to provide sufficient information to the Joint Global Coordinators so as to allow them to identify the relevant applications under the Hong Kong Public Offering and to ensure that they are excluded from any allotment of Offer Shares under the Hong Kong Public Offering.

Reallocation

The total number of Offer Shares to be issued pursuant to the International Offering may change as a result of the clawback arrangement described in paragraph headed "The Hong Kong Public Offering — Reallocation" above, the exercise of the Over-allotment Option in whole or in part and/or any reallocation of unsubscribed Offer Shares originally included in the Hong Kong Public Offering.

OVER-ALLOTMENT OPTION

In connection with the Global Offering, the Company is expected to grant the Over-allotment Option to the International Underwriters, exercisable by the Sole Representative (on behalf of the International Underwriters).

Pursuant to the Over-allotment Option, the International Underwriters have the right, exercisable by the Sole Representative (on behalf of the International Underwriters) at any time from the Listing Date until 30 days after the last day for lodging applications under the Hong Kong Public Offering, to require the Company to issue up to an aggregate of 11,995,300 H Shares, representing not more than 15% of the total number of Offer Shares initially available under the Global Offering, at the Offer Price under the International Offering to cover, among others, over-allocations in the International Offering, if any.

If the Over-allotment Option is exercised in full, the additional International Offer Shares to be issued pursuant thereto will represent approximately 3.61% of the issued share capital of the Company immediately following the completion of the Global Offering. The Sole Representative may also cover such over-allocations by purchasing H Shares in the secondary market or by a combination of purchases in the secondary market and a partial exercise of the Over-allotment Option. Any such secondary market purchases will be made in compliance with all applicable laws, rules and regulations. If the Over-allotment Option is exercised, an announcement will be made.

STABILIZATION

Stabilization is a practice used by underwriters in some markets to facilitate the distribution of securities. To stabilize, underwriters may bid for, or purchase, the securities in the secondary market, during a specified period of time, to retard and, if possible, prevent a decline in the initial public market price of the securities below the offer price. Such transactions may be effected in all jurisdictions where it is permissible to do so, in each case in compliance with all applicable laws and regulatory requirements, including those of Hong Kong. In Hong Kong, the price at which stabilization is effected is not permitted to exceed the offer price.

In connection with the Global Offering, the Stabilizing Manager, its affiliates or any person acting for it, on behalf of the Underwriters, may, to the extent permitted by applicable laws of Hong Kong or elsewhere, over-allocate or effect transactions with a view to stabilizing or supporting the market price of the H Shares at a level higher than that which might otherwise prevail for a limited period after the Listing Date. Any market purchases of the H Shares will be effected in compliance with all applicable laws and regulatory requirements. However, there is no obligation on the Stabilizing Manager or any person acting for it to conduct any such stabilizing action. Such stabilizing action, if taken: (i) will be conducted at the absolute discretion of the Stabilizing Manager, its affiliates or any person acting for it; (ii) may be discontinued at any time; and (iii) is required to be brought to an end within 30 days of the last day for lodging applications under the Hong Kong Public Offering.

Stabilization action permitted in Hong Kong pursuant to the Securities and Futures (Price Stabilizing) Rules of the SFO includes: (i) over-allocating for the purpose of preventing or minimizing any reduction in the market price of the H Shares; (ii) selling or agreeing to sell the Shares so as to establish a short position in them for the purpose of preventing or minimizing any reduction in the market price of the H Shares; (iii) purchasing, or agreeing to purchase, the H Shares pursuant to the

Over-allotment Option in order to close out any position established under (i) or (ii) above; (iv) purchasing, or agreeing to purchase, any of the Shares for the sole purpose of preventing or minimizing any reduction in the market price of the H Shares; (v) selling or agreeing to sell any Shares in order to liquidate any position established as a result of the abovementioned purchases; and (vi) offering or attempting to do anything as described in (ii), (iii), (iv) or (v) above.

Specifically, prospective applicants for the Offer Shares should note that:

- the Stabilizing Manager, its affiliates or any person acting for it may, in connection with the stabilizing action, maintain a long position in the H Shares;
- there is no certainty as to the extent to which and the time or period for which the Stabilizing Manager, its affiliates or any person acting for it will maintain such a long position;
- liquidation of any such long position by the Stabilizing Manager, its affiliates or any person acting for it and selling in the open market, may have an adverse impact on the market price of the H Shares;
- no stabilizing action can be taken to support the price of the H Shares for longer than the stabilization period, which will begin on the Listing Date, and is expected to expire on the 30th day after the last day for lodging applications under the Hong Kong Public Offering. After this date, when no further stabilizing action may be taken, demand for the H Shares, and therefore the price of the H Shares, could fall;
- the price of the H Shares cannot be assured to stay at or above the Offer Price by the taking of any stabilizing action; and
- stabilizing bids or transactions effected in the course of the stabilizing action may be made at any price at or below the Offer Price and can, therefore, be done at a price below the price paid by applicants for, or investors in, the Offer Shares.

The Company will ensure or procure that an announcement in compliance with the Securities and Futures (Price Stabilizing) Rules, as amended, made under the SFO will be made within seven days of the expiration of the stabilization period.

Over-allocation

Following any over-allocation of H Shares in connection with the Global Offering, the Stabilizing Manager, its affiliates or any person acting for it may cover such over-allocations by, among other methods, using H Shares purchased by the Stabilizing Manager, its affiliates or any person acting for it in the secondary market or exercising the Over-allotment Option in full or in part, or a combination of these means. Any such purchases will be made in accordance with the laws, rules and regulations in place in Hong Kong, including in relation to stabilization, the Securities and Futures (Price Stabilizing) Rules, as amended, made under the SFO. The number of H Shares which can be over-allocated will not exceed the number of H Shares which may be issued and allotted by the Company upon full exercise of the Over-allotment Option, being 11,995,300 H Shares, representing approximately 15% of the Offer Shares initially available under the Global Offering.

PRICING AND ALLOCATION

The International Underwriters will be soliciting from prospective investors indications of interest in acquiring Offer Shares in the International Offering. Prospective professional and

institutional investors will be required to specify the number of Offer Shares under the International Offering they would be prepared to acquire either at different prices or at a particular price. This process, known as "book-building," is expected to continue up to, and to cease on or around, the last day for lodging applications under the Hong Kong Public Offering.

Pricing for the Offer Shares for the purpose of the various offerings under the Global Offering will be fixed on the Price Determination Date, which is expected to be on or about Thursday, June 28, 2018 and, in any event, no later than Wednesday, July 4, 2018, by agreement between the Company, the Joint Global Coordinators (for themselves and on behalf of the Underwriters). The number of Offer Shares to be allocated under the various offerings will be determined shortly thereafter.

The Offer Price will not be more than HK\$24.20 per Offer Share and is expected to be not less than HK\$17.80 per Offer Share unless otherwise announced, as further explained below, not later than the morning of the last day for lodging applications under the Hong Kong Public Offering. Applicants under the Hong Kong Public Offering must pay, on application, the maximum Offer Price of HK\$24.20 per Offer Share plus brokerage of 1.0%, SFC transaction levy of 0.0027% and Stock Exchange trading fee of 0.005%, amounting to a total of HK\$4,888.77 for one board lot of 200 H Shares. Prospective investors should be aware that the Offer Price to be determined on the Price Determination Date may be, but is not expected to be, lower than the Offer Price range stated in this prospectus.

The Sole Representative (on behalf of the Underwriters), may, where considered appropriate and with the consent of the Company, based on the level of interest expressed by prospective professional and institutional investors during the book-building process, reduce the number of Offer Shares offered and/or the indicative Offer Price range below that stated in this prospectus at any time on or prior to the morning of the last day for lodging applications under the Hong Kong Public Offering. In such a case, the Company will, as soon as practicable following the decision to make such reduction, and in any event not later than the morning of the last day for lodging applications under the Hong Kong Public Offering, cause to be published in the South China Morning Post (in English) and the Hong Kong Economic Times (in Chinese) and on the websites of the Stock Exchange (www.hkexnews.hk) and the Company (www.china-isotope.com) notices of the reduction. Upon the issue of such notices, the revised number of Offer Shares and/or the Offer Price range will be final and conclusive and the Offer Price, if agreed upon by the Company and the Joint Global Coordinators (for themselves and on behalf of the Underwriters), will be fixed within such revised Offer Price range. Applicants should have regard to the possibility that any announcement of a reduction in the Offer Price range may not be made until the last day for lodging applications under the Hong Kong Public Offering. Such announcement(s) will also include confirmation or revision, as appropriate, of the working capital statement, the Global Offering statistics and any other financial information in this prospectus which may change as a result of any such reduction. In the absence of any such announcement, the number of Offer Shares will not be reduced and the Offer Price, if agreed upon by the Company and the Joint Global Coordinators (for themselves and on behalf of the Underwriters), will under no circumstances be set outside the Offer Price range as stated in this prospectus.

In the event of a reduction in the number of Offer Shares, the Sole Representative may, at its discretion, reallocate the number of Offer Shares to be offered in the Hong Kong Public Offering and the International Offering, provided that the number of Offer Shares comprised in the Hong Kong

Public Offering shall not be less than 10% of the total number of Offer Shares available under the Global Offering (assuming the Over-allotment Option is not exercised). The Offer Shares to be offered in the Hong Kong Public Offering and the Offer Shares to be offered in the International Offering may, in certain circumstances, be reallocated between these offerings at the discretion of the Sole Representative.

The final Offer Price, the level of indications of interest in the Global Offering and the basis of allotment of Offer Shares are expected to be made available through a variety of channels in the manner described in the section headed "How to Apply for Hong Kong Offer Shares — 11. Publication of Results" in this prospectus.

UNDERWRITING

The Hong Kong Public Offering is fully underwritten by the Hong Kong Underwriters under the terms and conditions of the Hong Kong Underwriting Agreement and is subject to the Company and the Joint Global Coordinators (for themselves and on behalf of the Underwriters) agreeing on the Offer Price.

The Company expects to enter into the International Underwriting Agreement relating to the International Offering on the Price Determination Date.

These underwriting arrangements, including the Underwriting Agreements, are summarized in the section headed "Underwriting" in this prospectus.

CONDITIONS OF THE GLOBAL OFFERING

Acceptance of all applications for Offer Shares pursuant to the Hong Kong Public Offering will be conditional on:

- (i) the Listing Committee granting approval for the listing of, and permission to deal in, the H Shares to be issued pursuant to the Global Offering (including pursuant to the exercise of the Over-allotment Option) on the Main Board of the Stock Exchange and such listing and permission not subsequently having been revoked prior to the commencement of dealings in the H Shares on the Stock Exchange;
- (ii) the Offer Price having been agreed between the Company and the Joint Global Coordinators (for themselves and on behalf of the Underwriters); and
- (iii) the obligations of the Hong Kong Underwriters under the Hong Kong Underwriting Agreement and the obligations of the International Underwriters under the International Underwriting Agreement becoming unconditional and not having been terminated in accordance with the terms of the respective Underwriting Agreements,

in each case on or before the dates and times specified in the respective Underwriting Agreements (unless and to the extent such conditions are validly waived on or before such dates and times) and, in any event, not later than the date which is 30 days after the date of this prospectus.

If, for any reason, the Offer Price is not agreed between the Company and the Joint Global Coordinators (for themselves and on behalf of the Underwriters) on or before Wednesday, July 4, 2018, the Global Offering will not proceed and will lapse.

The consummation of each of the Hong Kong Public Offering and the International Offering is conditional upon, among others, the other offering becoming unconditional and not having been terminated in accordance with its terms.

If the above conditions are not fulfilled or waived prior to the dates and times specified, the Global Offering will lapse and the Stock Exchange will be notified immediately. Notice of the lapse of the Hong Kong Public Offering will be published by the Company in the South China Morning Post (in English) and the Hong Kong Economic Times (in Chinese) and on the websites of the Stock Exchange at www.hkexnews.hk and the Company at www.china-isotope.com on the next day following such lapse. In such event, all application monies will be returned, without interest, on the terms set out in the section headed "How to Apply for Hong Kong Offer Shares — 14. Dispatch/Collection of Share Certificates and Refund Monies" in this prospectus. In the meantime, all application monies will be held in separate bank account(s) with the receiving banks or other bank(s) in Hong Kong licensed under the Banking Ordinance (Chapter 155 of the Laws of Hong Kong) (as amended).

Share certificates for the Offer Shares will only become valid at 8:00 a.m. on Friday, July 6, 2018 provided that the Global Offering has become unconditional in all respects and the right of termination described in section headed "Underwriting" in this prospectus has not been exercised.

APPLICATION FOR LISTING ON THE STOCK EXCHANGE

We have applied to the Listing Committee for the listing of, and permission to deal in, the H Shares in issue and to be issued pursuant to the Global Offering (including pursuant to the exercise of the Over-allotment Option).

No part of the Company's share or loan capital is listed on or dealt in on any other stock exchange and no such listing or permission to deal is being or proposed to be sought in the near future.

H SHARES WILL BE ELIGIBLE FOR CCASS

All necessary arrangements have been made enabling the H Shares to be admitted into CCASS.

If the Stock Exchange grants the listing of, and permission to deal in, the H Shares and the Company complies with the stock admission requirements of HKSCC, the H Shares will be accepted as eligible securities by HKSCC for deposit, clearance and settlement in CCASS with effect from the date of commencement of dealings in the H Shares on the Stock Exchange or any other date HKSCC chooses. Settlement of transactions between participants of the Stock Exchange is required to take place in CCASS on the second Business Day after any trading day.

All activities under CCASS are subject to the General Rules of CCASS and CCASS Operational Procedures in effect from time to time.

DEALING

Assuming that the Hong Kong Public Offering becomes unconditional at or before 8:00 a.m. in Hong Kong on Friday, July 6, 2018, it is expected that dealings in the Offer Shares on the Stock Exchange will commence at 9:00 a.m. on Friday, July 6, 2018.

The H Shares will be traded in board lots of 200 H Shares each and the stock code of the H Shares will be 1763.