



## MannKind Completes Phase 3 Clinical Study of AFREZZA in Patients with Type 1 Diabetes

May 31, 2013 4:00 AM EDT

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VALENCIA, Calif.--(BUSINESS WIRE)--May. 31, 2013-- **MannKind Corporation (Nasdaq: MNKD)** today announced that all follow-up visits have been completed for the patients enrolled in Study 171, a Phase 3 clinical study of AFREZZA® (insulin human [rDNA origin]) inhalation powder, an investigational, ultra rapid-acting mealtime insulin therapy, administered using MannKind's next-generation inhaler. MannKind expects to release data from this study later this summer.

Study 171 is an open-label study in patients with type 1 diabetes. After a run-in period, during which all patients were optimized on their basal insulin regimen, 518 subjects were randomized to one of three arms for mealtime insulin: a control arm, in which patients utilize injected rapid-acting insulin, or one of two AFREZZA arms, one for the MedTone inhaler and the other for the next-generation inhaler. After the mealtime insulin was titrated, there was a 12-week observation period on stable doses of the mealtime insulin to assess HbA1c levels, which is the primary outcome parameter. Another objective of this study is to compare the safety profile of the two AFREZZA treatment groups.

#### About AFREZZA®

AFREZZA® is a novel, ultra rapid-acting mealtime insulin therapy being developed by MannKind Corporation for the treatment of adult patients with type 1 or type 2 diabetes for the control of hyperglycemia. It is a drug-device combination product, consisting of AFREZZA Inhalation Powder, pre-metered into single-use cartridges, and a light, discreet and easy-to-use inhaler. Administered at the start of a meal, AFREZZA dissolves immediately upon inhalation and delivers insulin quickly to the blood stream. Peak insulin levels are achieved within 12 to 14 minutes of administration, mimicking the release of meal-time insulin observed in healthy individuals. To date, the AFREZZA clinical program has involved 61 different clinical studies and over 5,600 adult patients.

#### About MannKind Corporation

MannKind Corporation (Nasdaq: MNKD) focuses on the discovery, development and commercialization of therapeutic products for patients with diseases such as diabetes. Its lead product candidate, AFREZZA®, is in late stage clinical investigation for the treatment of adults with type 1 or type 2 diabetes for the control of hyperglycemia. MannKind maintains a website at [www.mannkindcorp.com](http://www.mannkindcorp.com) to which MannKind regularly posts copies of its press releases as well as additional information about MannKind. Interested persons can subscribe on the MannKind website to e-mail alerts that are sent automatically when MannKind issues press releases, files its reports with the Securities and Exchange Commission or posts certain other information to the website.

#### Forward-Looking Statements

This press release contains forward-looking statements, including statements related to the reporting of top-line results, that involve risks and uncertainties. Words such as "believes", "anticipates", "plans", "expects", "intend", "will", "goal", "potential" and similar expressions are intended to identify forward-looking statements. These forward-looking statements are based upon the Company's current expectations. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of these risks and uncertainties, which include, without limitation, difficulties or delays in obtaining regulatory feedback or completing and analyzing the results of clinical studies, MannKind's ability to manage its existing cash resources or raise additional cash resources, stock price volatility and other risks detailed in MannKind's filings with the Securities and Exchange Commission, including the Annual Report on Form 10-K for the year ended December 31, 2012 and periodic reports on Form 10-Q and Form 8-K. You are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date of this press release. All forward-looking statements are qualified in their entirety by this cautionary statement, and MannKind undertakes no obligation to revise or update any forward-looking statements to reflect events or circumstances after the date of this press release.

Source: MannKind Corporation

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