



# Delaware

PAGE 1

*The First State*

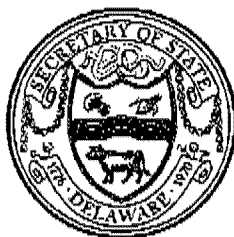
I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "TYRX PHARMA, INC.", CHANGING ITS NAME FROM "TYRX PHARMA, INC." TO "TYRX, INC.", FILED IN THIS OFFICE ON THE THIRD DAY OF NOVEMBER, A.D. 2011, AT 11:40 O'CLOCK A.M.


A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE KENT COUNTY RECORDER OF DEEDS.

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You may verify this certificate online  
at [corp.delaware.gov/authvar.shtml](http://corp.delaware.gov/authvar.shtml)



  
Jeffrey W. Bullock, Secretary of State  
AUTHENTICATION: 9134546

DATE: 11-03-11

PATENT  
REEL: 027311 FRAME: 0695

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 12:07 PM 11/03/2011  
FILED 11:40 AM 11/03/2011  
SRV 111162856 - 2904516 FILE

CERTIFICATE OF AMENDMENT TO THE  
FOURTH AMENDED AND RESTATED  
CERTIFICATE OF INCORPORATION  
OF  
TYRX PHARMA, INC.

(Pursuant to Section 242 of the  
General Corporation Law of the State of Delaware)

TyRx Pharma, Inc. (the "Corporation"), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "General Corporation Law"), DOES HEREBY CERTIFY:

**FIRST:** The Corporation filed its original Certificate of Formation with the Secretary of State of the State of Delaware on June 3, 1998, under the name "Advanced Materials Design, LLC." The limited liability company filed a Certificate of Merger on July 9, 1998, with the limited liability company as the surviving entity. The limited liability company filed a Certificate of Conversion and Incorporation on July 16, 2003, converting the limited liability company from a Delaware limited liability company to a Delaware corporation and changing the Corporation's name to "Advanced Materials Design, Inc." The Corporation filed a Certificate of Amendment, changing its name from "Advanced Materials Design, Inc." to "TyRx Pharma, Inc.", with the Secretary of State of the State of Delaware on October 17, 2003. The Corporation filed a Restated Certificate of Incorporation on January 7, 2005. The Corporation filed an Amendment to its Restated Certificate of Incorporation on June 4, 2007. The Corporation filed a Second Amended and Restated Certificate of Incorporation on February 25, 2008. The Corporation filed a Third Amended and Restated Certificate of Incorporation on July 27, 2009. The Corporation filed a Fourth Amended and Restated Certificate of Incorporation on November 23, 2010.

**SECOND:** The following Amendment to the Fourth Amended and Restated Certificate of Incorporation has been duly adopted in accordance with the provisions of Sections 141, 228, and 242 of the General Corporation Law:

Article I of the Fourth Amended and Restated Certificate of Incorporation is hereby deleted in its entirety and amended to read as follows:

"The name of this company is TYRX, Inc."

IN WITNESS WHEREOF, the Corporation has caused this Certificate to be signed by its Chief executive Officer this 3<sup>rd</sup> day of November, 2011.

TYRX PHARMA, INC.

By: /s/ Robert S. White  
Name: Robert S. White  
Title: Chief Executive Officer