State of Idaho

Department of State

CERTIFICATE OF AUTHORITY
OF

GEM PHARMACEUTICALS, INC. File number C 117615

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that duplicate originals of an Application of GEM PHARMACEUTICALS, INC. for a Certificate of Authority to transact business in this State, duly signed and verified pursuant to the provisions of the Idaho Business Corporation Act, have been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of Authority to GEM PHARMACEUTICALS, INC. to transact business in this State under the name GEM PHARMACEUTICALS, INC. and attach hereto a duplicate original of the Application for such Certificate.

Dated: December 30, 1996

THE OF SERVICE SERVICE

Pite D Cenarrusa SECRETARY OF STATE

By Clina Hartley

PAPPLICATION FOR CERTIFICATE OF AUTHORITY (For Profit) The undersigned Corporation applies for a Certificate of Authority and states as follows: To the Secretary of State of Idaho Gem Pharmaceuticals, Inc. The name of the corporation is SECRETARY OF STATE STATE OF LUARU 2. The name which it shall use in Idaho is ____Gem_Pharmaceuticals. Inc. 3. It is incorporated under the laws of the State of Delaware 4. Its date of incorporation is Jan. 23, 1996and its duration, if other than perpetual, is 5. The address of its principal office in the state or country under the laws of which it is incorporated is Three Christina Centre, 201 N. Walnut St., Wilmington, DE 83702 6. The address to which correspondence should be addressed, if different than item 5, is _ 350 North Ninth Street, Suite 304, Boise, ID 83702 7. The street address of its registered office in idaho is _ 350 North Ninth Street, Suite 304 Boise, ID 83702 , and its registered agent in Idaho at that address is Richard Olson 8. The purpose or purposes which it is proposed to pursue in the transaction of business in Idaho are: Pharmaceutical research, development and commercialization. 9. The names and respective addresses of its directors and officers are: Name Office Address Frederick J. Dechow President & CEO 210 Lorna Sq., #253, Birmingham, AL Richard D. Olson V.P., Research 605 Crocus Court, Nampa, ID \$3651 Gerald M. Walsh Director & Sec. 941 Lake Forest Circle, Birmingham, AL 35244 Philip S. Mushlin V.P., Med. Affairs 19 Farina Road, Newton, MA 02159 10. The corporation accepts and shall comply with the Constitution and the laws of the State of Idaho. Dated: November 15, 1996 Secretary of State use only CCAP Gem Pharmaceuticals, Inc. IDAME SECRETARY OF STATE DATE 12/12/1996 0900 46154 Its President, Vice President, Secretary or Assistant Secretary (please specify) 2

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State of Delaware

Office of the Secretary of State PAGE

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "GEM PHARMACEUTICALS, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE SIXTH DAY OF DECEMBER, A.D. 1996.

TAY'S COLUMN TO THE PARTY OF TH

Edward J. Freel, Secretary of State

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AUTHENTICATION: 8225481

DATE:

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