

**CERTIFICATION PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002  
(18 U.S.C. SECTION 1350)**

In connection with the Annual Report of Pharmacyclics, Inc., a Delaware corporation (the "Company"), on Form 10-K for the year ending June 30, 2004 as filed with the Securities and Exchange Commission (the "Report"), I, Richard A. Miller, M.D., President and Chief Executive Officer of the Company, certify, pursuant to § 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. § 1350), that to my knowledge:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ RICHARD A. MILLER, M.D.

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Richard A. Miller, M.D.  
President and Chief Executive Officer  
August 26, 2004

**CERTIFICATION PURSUANT TO  
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002  
(18 U.S.C. SECTION 1350)**

In connection with the Annual Report of Pharmacyclics, Inc., a Delaware corporation (the "Company"), on Form 10-K for the year ending June 30, 2004 as filed with the Securities and Exchange Commission (the "Report"), I, Leiv Lea, Vice President, Finance and Administration and Chief Financial Officer of the Company, certify, pursuant to § 906 of the Sarbanes-Oxley Act of 2002 (18 U.S.C. § 1350), that to my knowledge:

(1) The Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and

(2) The information contained in the Report fairly presents, in all material respects, the financial condition and result of operations of the Company.

/s/ LEIV LEA

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Leiv Lea  
Vice President, Finance and Administration  
and Chief Financial Officer and Secretary  
August 26, 2004