SEC	Form 4
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FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APF	ROVAL
OMB Number	3235-0

Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b). Filed pur						TOF CHANGES IN BENEFICIAL OWNERSHIP or Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940											n	
1. Name and Address of Reporting Person <sup>*</sup> Kostas Odysseas D				4	2. Issuer Name and Ticker or Trading Symbol <u>ADVENTRX PHARMACEUTICALS INC</u> [ ANX ]							[ (Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) (First) (Middle) 6725 MESA RIDGE RD. SUITE 100				0	3. Date of Earliest Transaction (Month/Day/Year) 02/02/2010								Officer (give title below)				specify	
(Street) SAN DIEGO CA 92121 (City) (State) (Zip)				4	4. If Amendment, Date of Original Filed (Month/Day/Year)							Line	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Ta	able I - Non-D	erivat	ive S	ecuritie	s A	cquired, D	ispos	ed	of, or Ber	eficially	Owned					
1. Title of Security (Instr. 3)			Da	Transact te onth/Day		2A. Deemed Execution Date, if any (Month/Day/Yea		Code (In	(Instr.			and 5) Securities Beneficially Owned Follo Reported		/ Form: (D) or lowing (I) (Ins		7. Nature of Indirect Beneficial Ownership (Instr. 4)		
								Code \	/ Am	ount	(A) or (D)	Price	Transactio (Instr. 3 ar	on(s) nd 4)				
			Table II - De (e.					quired, Dis s, options					Owned					
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transa Code 8)		5. Number Derivativ Securitie Acquired or Dispos of (D) (In 3, 4 and 5	e s (A) sed str.	6. Date Exerc Expiration Da (Month/Day/\	ate	Securities Under		nderlying ecurity	lying Derivative		9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s)		11. Nature of Indirect Beneficial Ownership t (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expirat Date	ion	Title	Amount or Number of Shares		(Instr. 4)	1011(3)			
Non- qualified Stock Option (Right to Buy)	\$0.32	02/02/2010		A		100,000		(1)	02/02/2	020	Common Stock	100,000	\$0	100,0	00	D		
Non- qualified Stock Option (Right to Buy)	\$0.32	02/02/2010		A		33,332		(2)	02/02/2	:020	Commmon Stock	33,332	\$0	33,33	32	D		

Explanation of Responses:

1. This option vests and becomes exercisable as to 1/36th of the shares subject to this option at the end of each successive month after February 2010.

2. This option vests and becomes exercisable as to 1/4th of the shares subject to this option at the end of each succesive month after February 2010.

/s/Patrick L. Keran, Attorney-in-	02/02/2010
Fact for Odysseas D. Kostas	02/02/2010

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.

## **POWER OF ATTORNEY**

Know all by these presents, that the undersigned hereby constitutes and appoints Patrick L. Keran, the undersigned's true and lawful attorney-in-fact to:

(1) execute for and on behalf of the undersigned, in the undersigned's capacity as an officer, director or beneficial owner of more than ten percent of any registered class of the securities of the Company, Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934 and the rules thereunder;

(2) do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any Form 3, 4 or 5 and file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

(3) take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-infact, may be of benefit to, and in the best interest of, or legally required by, the undersigned.

The undersigned hereby grants to such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and rights and powers herein granted. The undersigned acknowledges that the foregoing attorney-in-fact, in serving in such capacity at the request of the undersigned, is not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorney-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this \_day of February, 2010.

Signature /s/ Odysseas Kostas

Print Name: Odysseas Kostas