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U obliga	tion 16. Form 4 tions may conti ction 1(b).			Filed	d pursu	ant to	Sec	ction 16(a)	of the	Secur	ities Exchang ompany Act o	e Act of	1934					average bui response:	rden	0.5
1 Name a	nd Address of	f Reporting Person	*		_			e and Tic				11040		5. Re	elationship	o of Repor	ting Pe	erson(s) to	Issu	ier
	<u>Ioah G.</u>	i roporang roroon					RRIMACK PHARMACEUTICALS						(Check all applicable) X Director 10% Owner							
						<u>_</u> [ I	MA	СК ]						-	Office	er (give titl	e	V Other	r (spe	
(Last) 60 EAS	`	rst) ( REET, 9TH FLC	Middle)	)		ate of $2/20$		liest Trans	saction	(Mont	h/Day/Year)				belov	,	rema	Delow	v)	
(Street) 4. If Am				Amen	endment, Date of Original Filed (Month/Day/Year)						6. Individual or Joint/Group Filing (Check Applicable Line)									
NEW YORK NY 10165										Х	Form filed by One Reporting Person X Form filed by More than One Reporting Person									
(City)	(St		Zip)																	
1. Title of	Security (Ins		9 I - N	2. Transact		2A. I	Deer	ned	3.		sposed of 4. Securities	Acquire	d (A) d	r	5. Amou	int of				ature of
Date				Date (Month/Day	//Year)	if an	xecution Date, any Month/Day/Year)		Transaction Code (Instr. 8)		Disposed Of 5)	i (D) (Instr. 3,		and	Securities Beneficially Owned Following Reported		Form: Direct (D) or Indirect (I) (Instr. 4)		Own	rect eficial nership tr. 4)
									Code	v	Amount	(A) or (D)	Pric	9	Transac (Instr. 3	tion(s)	L		(	
Common	on Stock		01/12/2	01/12/2023				Р		100,000	A	\$1	1.9	1,11	19,586				See Sootnote <sup>(1)</sup>	
		Та	ble II	- Derivat (e.g., pı	ive So uts, ca	ecur alls,	ritie wa	es Acquarrants,	ired, optic	Disp ons,	oosed of, o convertib	or Ber le sec	nefici uritie	ally s)	Owne	d				
1. Title of Derivative	2. Conversion	3. Transaction Date		eemed ution Date,	4. Trans	action		5. Number	6. Date Expira	e Exer	cisable and	7. Title Amoun			Price of erivative	9. Numbe		10. Ownershi		11. Nature
		(Month/Day/Year)	y/Year) 🛛 if any		Code							Securities		Security (Instr. 5)		Securitie Beneficia	s	Form: Direct (D)		Beneficia Ownershi
Derivative Security						Acquired (A) or					Derivative Security (Inst		r.		Owned Following		or Indirec (I) (Instr. 4		Instr. 4)	
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	nd Address of <mark>Joah G.</mark>	f Reporting Person	*																	
(Last)		(First)	(N	/iddle)		-														
60 EAS	Г 42ND ST	REET, 9TH FLO	OOR																	
(Street)	OPK	NY	1(	0165																
(City)		(State)		(ip)		-														
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<u>Newty</u>	n Manage	ement, LLC																		
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(Street) NEW Y	ORK	NY	10	0165																
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		f Reporting Person <sup>*</sup> TNERS, LP	*																	
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60 EAS	Г 42ND ST	REET, 9TH FLO	OOR																	

(Street) NEW YORK

NY

10165

(City)	(State)	(Zip)						
1. Name and Address of Reporting Person <sup>*</sup> <u>NEWTYN TE PARTNERS, LP</u>								
(Last)	(First)	(Middle)						
60 EAST 42ND	STREET, 9TH	FLOOR						
(Street) NEW YORK	NY	10165						
(City)	(State)	(Zip)						
1. Name and Address of Reporting Person <sup>*</sup> <u>Newtyn Capital Partners, LP</u>								
(Last) 60 EAST 42ND	(First) STREET, 9TH	(Middle) FLOOR						
(Street) NEW YORK	NY	10165						
(City)	(State)	(Zip)						
1. Name and Addre Ledo Capital		son*						
(Last)	(First)	(Middle)						
60 EAST 42ND	STREET, 9TH	FLOOR						
(Street) NEW YORK	NY	10165						
(City)	(State)	(Zip)						

## Explanation of Responses:

1. The shares are directly held by NP. The general partner of the Funds is NCP. The general partner of NCP is Ledo. The investment manager to the Funds is Newtyn Management. The managing member of Newtyn Management and Ledo and the portfolio manager to the Funds is Mr. Levy. Each of Newtyn Management, Ledo, NCP and Mr. Levy disclaims beneficial ownership of the shares except to the extent of its or his pecuniary interest therein, if any, and this report shall not be deemed an admission that it or he is the beneficial owner of such shares.

## **Remarks:**

As a result of an agreement among the persons listed below to vote their respective shares of Common Stock jointly, such persons have formed a "group" under Section 13(d)(1) of the Exchange Act. In addition to Mr. Levy, Newtyn Management, LLC ("Newtyn Management"), Newtyn Partners, LP ("NP"), Newtyn TE Partners, LP ("Newtyn TE" and together with NP, the "Funds"), Newtyn Capital Partners, LP ("NCP") and Ledo Capital, LLC ("Ledo") (collectively, the "Newtyn Parties"), the members of this group are Eric D. Andersen, Western Standard, LLC, Western Standard Partners, LP, and Western Standard Partners QP, L.P. (the "Western Standard Parties" and collectively with the Newtyn Parties, the "13D Group"). As a member of the 13D Group, each Newtyn Party would be deemed to beneficially own the aggregate amount of the Common Stock that each of the 13D Group members beneficially owns, in which case it or he would be deemed to beneficially own 3,433,820 shares of Common Stock. However, none of the Newtyn Parties have the ability to direct the acquisition or disposition or, except through the Cooperation Agreement, voting of the securities held by the Newtyn Parties. As members of the 13D Group, the combined holdings of the Newtyn Parties and the Western Standard Parties would result in each Newtyn Parties held by the Standard Parties of the 13D Group, the combined holdings of the Newtyn Parties and the Western Standard Parties would result in each Newtyn Parties beneficially owned by the 13D Group of the shares of the 13D Group, the combined holdings of the voting purposes. Each Newtyn Party disclaims beneficial ownership of 25.6% of the Issuer's outstanding Common Stock for voting purposes. Each Newtyn Party disclaims beneficial ownership of the shares.

/s/ Noah G. Levy	01/17/2023
<u>Newtyn Management, LLC;</u> /s/ Noah G. Levy, Managing Member	<u>01/17/2023</u>
<u>Newtyn Partners, LP; By:</u> <u>Newtyn Management, LLC,</u> <u>Investment Manager; /s/ Noah</u> <u>G. Levy, Managing Member</u>	01/17/2023
<u>Newtyn TE Partners, LP; By:</u> <u>Newtyn Management, LLC,</u> <u>Investment Manager; /s/ Noah</u> <u>G. Levy, Managing Member</u>	01/17/2023
<u>Newtyn Capital Partners, LP;</u> <u>By: Ledo Capital, LLC,</u> <u>General Partner; /s/ Noah; G.</u> <u>Levy, Managing Member</u>	<u>01/17/2023</u>
Ledo Capital, LLC; /s/ Noah G. Levy, Managing Member ** Signature of Reporting Person	<u>01/17/2023</u> 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.