### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

## SCHEDULE 13G

Under the Securities Exchange Act of 1934

JAZZ PHARMACEUTICALS PUBLIC LIMITED COMPAN	Y
(Name of Issuer)	
Ordinary shares, nominal value \$0.0001 per share	
(Title of Class of Securities)	
G50871105	
(CUSIP Number) August 13, 2019	
(Date of Event Which Requires Filing of this Statement)	

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [X] Rule 13d-1(b)
- [\_] Rule 13d-1(c)
- [\_] Rule 13d-1(d)

\*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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CUSI	P NO. G50871105	13G	Page 2 of 8 Pages
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF AB	OVE PERSONS (entities or	ıly).
	Renaissance Technologies LLC	26-0385758	
(2)	CHECK THE APPROPRIATE BOX IF A MEM (a) [_] (b) [_]	BER OF A GROUP (SEE INS	
(3)	SEC USE ONLY		
(4)	CITIZENSHIP OR PLACE OF ORGANIZATIO	N	
	Delaware		
		(5) SOLE VOTING	G POWER
	NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	3,461,	524
		(6) SHARED VOT	ING POWER
		(7) SOLE DISPO	SITIVE POWER

3,520,790

# (8) SHARED DISPOSITIVE POWER

28,581

(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EA	ACH REPORTING PERSON				
	3,549,371					
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (SEE INSTRUCTIONS)					
		[_]				
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT I	EN ROW (9)				
	6.27 %					
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTION IA	IS)				
	Page 2 of 8 pa	ages				
	Page 3 of 8 pa	ages				
CUS	IP NO. G50871105 13G	Page 3 of 8 Pages				
(1)	NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF ABOVE PERS	GONS (ENTITIES ONLY).				
	RENAISSANCE TECHNOLOGIES HOLDINGS CORPORA	ATION 13-3127734				
(2)	) CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]					
(3)	SEC USE ONLY					
(4)	CITIZENSHIP OR PLACE OF ORGANIZATION					
	Delaware					
		(5) SOLE VOTING POWER				
	NUMBER OF SHARES BENEFICIALLY OWNED	3,461,524				
	BY EACH REPORTING PERSON WITH:	(6) SHARED VOTING POWER				
		0				
		(7) SOLE DISPOSITIVE POWER				
		3,520,790				
		(8) SHARED DISPOSITIVE POWER				
		28,581				
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EA	ACH REPORTING PERSON				
	3,549,371					
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (SEE INSTRUCTIONS) [_]	(9) EXCLUDES CERTAIN SHARES				
 (11)	PERCENT OF CLASS REPRESENTED BY AMOUNT I	IN ROW (9)				
()	6.27 %					
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTION HC	IS)				
	Page 3 of 8 pa	ages				

CUSIP NO. G50		13G	Page 4 of 8 Pages	
Item 1.				
(a) Name of	f Issuer			
JAZZ PH	HARMACEUTICALS PUBL	IC LIMITED COMPANY		
(b) Address	s of Issuer's Princ	ipal Executive Offic	ces.	
Fifth	Floor, Waterloo Ex	change, Waterloo Roa	ad, Dublin 4, Ireland D04 E5N	W7
Item 2.				
(a) Name of	f Person Filing:			
			ance Technologies LLC gs Corporation ("RTHC").	
(b) Addres	ss of Principal Bus	iness Office or, if	none, Residence.	
The pr	rincipal business a	ddress of the report	ing persons is:	
	800 Third Avenue New York, New Yo			
(c) Citize	enship.			
	a Delaware limited s a Delaware corpor	l liability company, ration.	and	
(d) Title	of Class of Securi	ties.		
Ordina	ary shares, nominal	value \$0.0001 per s	share	
(e) CUSIP	Number.			
G50871	1105			
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		ed pursuant to Rule : person filing is a:	13d-1(b) or 13-d-2(b)	
		ered under section 19 on 3(a)(6) of the Ad		
(c) [_] Insura (d) [_] Invest		ined in section 3(a)	(19) of the Act.	
(f) [_] Employ	tment Adviser in ac yee Benefit Plan or	cordance with Sec.24 Endowment Fund in a	40.13d-1(b)(1)(ii)(E).	
(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a	cordance with Sec.24 Endowment Fund in a (F). in accordance with S	40.13d-1(b)(1)(ii)(E).	
(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def:	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal inition of an investment	
(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3(	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def:	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal Inition of an investment cment Company Act of 1940.	
(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3( , in accordance wit	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def: c)(14) of the Invest	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal Inition of an investment cment Company Act of 1940.	
<pre>(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar (j) [_] Group, Item 4. Ownersh</pre>	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3( , in accordance wit	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def: c)(14) of the Invest ch Sec.240.13d-1(b)(:	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal Inition of an investment cment Company Act of 1940.	
<pre>(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar (j) [_] Group, Item 4. Ownersh</pre>	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3( , in accordance wit hip. beneficially owned 3,549,371 s 3,549,371 s	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def: c)(14) of the Invest h Sec.240.13d-1(b)( hares chares	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal Inition of an investment cment Company Act of 1940.	
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<pre>(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar (j) [_] Group, Item 4. Ownersh (a) Amount RTC: RTHC: (b) Percent RTC: RTHC:</pre>	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3( , in accordance wit hip. beneficially owned 3,549,371 s 3,549,371 s by RTHC, t of Class. 6.27 % 6.27 %	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def: c)(14) of the Invest h Sec.240.13d-1(b)( hares chares	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). n 3(b) of the Federal Inition of an investment Inition	
<pre>(f) [_] Employ Sec. 2 (g) [_] Parent (h) [_] A savi Deposi (i) [_] A chur compar (j) [_] Group, Item 4. Ownersh (a) Amount RTC: RTHC: (b) Percent RTC: RTHC: (c) Number</pre>	tment Adviser in ac yee Benefit Plan or 240.13d-1(b)(1)(ii) t holding company, ings associations a it Insurance Act. rch plan that is ex ny under section 3( , in accordance wit hip. beneficially owned 3,549,371 s 3,549,371 s by RTHC, t of Class. 6.27 % 6.27 % r of shares as to w	cordance with Sec.24 Endowment Fund in a (F). in accordance with S s defined in Section cluded from the def: c)(14) of the Invest ch Sec.240.13d-1(b)( h Sec.240.13d-1(b)( hares chares chares of RTHC's magnetic because of RTHC's magnetic cluster of the sec.24	40.13d-1(b)(1)(ii)(E). accordance with Sec.240.13d-1(b)(1)(ii)(G). A 3(b) of the Federal Anition of an investment Anition	

RTC: 3,461,524 RTHC: 3,461,524 (ii) Shared power to vote or to direct the vote:

(iii) sole power to dispose or to direct the disposition of:

RTC: 3,520,790 RTHC: 3,520,790

(iv) Shared power to dispose or to direct the disposition of:

RTC: 28,581 RTHC: 28,581

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [\_]

\_\_\_\_\_

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

### Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as

a participant in any transaction having that purpose or effect.

#### SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 12, 2020

Renaissance Technologies LLC

By: /s/ James S. Rowen Chief Operating Officer By: /s/ James S. Rowen Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See 18 U.S.C. 1001).

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# EXHIBIT 99.1

# AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the Ordinary shares, nominal value \$0.0001 per share of JAZZ PHARMACEUTICALS PUBLIC LIMITED COMPANY.

Date: February 12, 2020

Renaissance Technologies LLC

By: /s/ James S. Rowen Chief Operating Officer

Renaissance Technologies Holdings Corporation

By: /s/ James S. Rowen Vice President

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