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

SCHEDULE 13G

(Rule 13d-102)

INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT TO RULES 13d-1(b), (c), AND (d) AND AMENDMENTS THERETO FILED PURSUANT TO RULE 13d-2(b)

(Amendment No. 1)¹

GlycoMimetics, Inc. (Name of Issuer)

Common Stock, \$0.001 par value (Title of Class of Securities)

38000Q102

(CUSIP Number)

September 5, 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:

 \Box Rule 13d-1(b)

 \boxtimes Rule 13d-1(c)

 \Box 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 disclosures provided in a prior cover page.

The information required on 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*).

1			
1	NAME OF REPOR	RTING PERSON	
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		gy Value Fund, L.P.	
2	CHECK THE APP	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🖂
			(b) 🗆
3	SEC USE ONLY		
	OTTIZENCIUD OD		
4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES	5	SOLE VOTINOTOWER	
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	Ŭ		
REPORTING		3,639,935	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
_		3,639,935	
9	AGGREGATE AN	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
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10	3,639,935		
10	CHECK BUX IF I	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
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11		$\frac{1}{100} \text{ Kerkeleter Dr Antonn in Kow (7)}$	
	8.4%		
12	TYPE OF REPOR	TING PERSON	
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1	NAME OF REPOR	RTING PERSON	
		gy Value Fund II, L.P.	
2	CHECK THE APP	ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4		PLACE OF ORGANIZATION	
4	CITIZENSHIP OK	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH			
REPORTING		2,955,440	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	8	0 shares SHARED DISPOSITIVE POWER	
	8	SHARED DISPOSITIVE POWER	
		2,955,440	
9	AGGREGATE AM	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
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	2,955,440		
10	CHECK BOX IF T	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
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12	6.8% TYPE OF REPOR	TINC DEDSON	
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		(0) 🗖
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CITIZENSHIP OF	R PLACE OF ORGANIZATION	
5	SOLE VOTING POWER	
	0 shares	
6		
0	SHARED VOTING POWER	
	528 891	
7		
	0 shares	
8	SHARED DISPOSITIVE POWER	
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529 901		
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PERCENT OF CI	ASS REPRESENTED BY AMOUNT IN ROW (9)	
1.2%		
TYPE OF REPOR	TING PERSON	
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	Biotechnold CHECK THE API SEC USE ONLY CITIZENSHIP OF Cayman Isla 5 6 7 8 AGGREGATE AN 528,891 CHECK BOX IF PERCENT OF CI 1.2%	CITIZENSHIP OR PLACE OF ORGANIZATION Cayman Islands 5 SOLE VOTING POWER 0 shares 6 SHARED VOTING POWER 528,891 7 SOLE DISPOSITIVE POWER 0 shares 8 SHARED DISPOSITIVE POWER 528,891 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 528,891 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 1.2% TYPE OF REPORTING PERSON

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1	NAME OF REPORT	RTING PERSON	
	BVF Partner		
2	CHECK THE API	PROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
			(b) 🗆
3	SEC USE ONLY		
4	CITIZENSHIP OF	R PLACE OF ORGANIZATION	
	Common Isla	- le	
NUMBER OF	Cayman Isla	SOLE VOTING POWER	
SHARES	5	SOLE VOTING POWER	
BENEFICIALLY		0 shares	
OWNED BY	6	SHARED VOTING POWER	
EACH	0	SIMMED VOTING FOWER	
REPORTING		528,891	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		528,891	
9	AGGREGATE AN	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	528,891		
10	CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
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11	PERCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	1.2%		
12	TYPE OF REPOR	TING DEDSON	
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NAME OF DEDO	DTING BEDGON	
NAME OF REPORTING PERSON		
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		(a) 🗵
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		(0)
SEC USE ONLY		
CITIZENSHIP O	R PLACE OF ORGANIZATION	
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	SOLE VOTING DOWED	
5	SOLE VOTING POWER	
	() shares	
6		
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	7,361,801	
7	SOLE DISPOSITIVE POWER	
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8	SHARED DISPOSITIVE POWER	
	7,361,801	
AGGREGATE A		
CHECK BOX IF	THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
PERCENT OF CI	ASS REPRESENTED BY AMOUNT IN ROW (9)	
	$\sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i$	
17.0%		
	RTING PERSON	
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1	NAME OF DEDOI		
1	NAME OF REPOR	KIING PEKSUN	
	BVF Inc.		
2		ROPRIATE BOX IF A MEMBER OF A GROUP	(a) 🗵
2	CHECK THE AFF	KOFKIATE BOA IF A MEMBER OF A GROOF	(a) ⊠ (b) □
			(0) 🗆
3	SEC USE ONLY		
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4	CITIZENSHIP OR	PLACE OF ORGANIZATION	
	Delaware		
NUMBER OF	5	SOLE VOTING POWER	
SHARES			
BENEFICIALLY OWNED BY		0 shares	
EACH	6	SHARED VOTING POWER	
REPORTING		7,361,801	
PERSON WITH	7	SOLE DISPOSITIVE POWER	
	,	SOLL DISPOSITIVE FOWER	
		0 shares	
	8	SHARED DISPOSITIVE POWER	
		7,361,801	
9	AGGREGATE AM	10UNT BENEFICIALLY OWNED BY EACH REPORTING PERSON	
	7,361,801		
10	CHECK BOX IF 1	HE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES	
11	DEDCENT OF CL	ASS REPRESENTED BY AMOUNT IN ROW (9)	
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	17.0%		
12	TYPE OF REPOR	TING PERSON	
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1	NAME OF REPO	DRTING PERSON		
	Mark N. La	ampert		
2		CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) \boxtimes (b) \square		
3	SEC USE ONLY	SEC USE ONLY		
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	United Stat	es		
NUMBER OF SHARES	5	SOLE VOTING POWER		
BENEFICIALLY OWNED BY	6	0 shares SHARED VOTING POWER		
EACH REPORTING	Ŭ	7,361,801		
PERSON WITH	7	SOLE DISPOSITIVE POWER		
		0 shares		
	8	SHARED DISPOSITIVE POWER		
		7,361,801		
9	AGGREGATE A	MOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
	7,361,801			
10		THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES		
11	PERCENT OF C	LASS REPRESENTED BY AMOUNT IN ROW (9)		
	17.0%			
12	TYPE OF REPOR	RTING PERSON		
	IN			

CUSIF NO. 58000Q102			
Item 1(a).	Name of Issuer:		
	GlycoMimetics, Inc., a Delaware corporation (the "Issuer").		
Item 1(b).	Address of Issuer's Principal Executive Offices:		
	9708 Medical Center Drive Rockville, Maryland 20850		
Item 2(a). Item 2(b). Item 2(c).	Name of Person Filing Address of Principal Business Office or, if None, Residence Citizenship		
	Biotechnology Value Fund, L.P. ("BVF") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware		
	Biotechnology Value Fund II, L.P. ("BVF2") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware		
	Biotechnology Value Trading Fund OS LP ("Trading Fund OS") PO Box 309 Ugland House Grand Cayman, KY1-1104 Cayman Islands Citizenship: Cayman Islands		
	BVF Partners OS Ltd. ("Partners OS") PO Box 309 Ugland House Grand Cayman, KY1-1104 Cayman Islands Citizenship: Cayman Islands		
	BVF Partners L.P. ("Partners") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware		
	BVF Inc. 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: Delaware		
	Mark N. Lampert ("Mr. Lampert") 44 Montgomery St., 40th Floor San Francisco, California 94104 Citizenship: United States		

Each of the foregoing is referred to as a "Reporting Person" and collectively as the "Reporting Persons."

Item 2(d).	Title of Class of Securities:						
	Common Stock, \$0.001 par value (the "Shares").						
Item 2(e).	CUS	CUSIP Number:					
	38000Q102						
Item 3.	If This Statement is Filed Pursuant to Rule 13d-1(b), or 13d-2(b) or (c), Check Whether the Person Filing is a:						
		/x/	Not applicable.				
	(a)	//	Broker or dealer registered under Section 15 of the Exchange Act.				
	(b) // Bank as defined in Section 3(a)(6) of the		Bank as defined in Section 3(a)(6) of the Exchange Act.				
	(c) // Insurance company as defined in Section 3(a)(19) of the Exchange Act.		Insurance company as defined in Section 3(a)(19) of the Exchange Act.				
	(d) // Investment company registered under Section 8 of the Investment Company		Investment company registered under Section 8 of the Investment Company Act.				
	(e) // An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).		An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).				
	(f)	//	An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).				
	(g) // A parent holding company or control person in accordance with Rule 13d-1(b)(1		A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).				
	(h)	//	A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.				
	(i)	//	A church plan that is excluded from the definition of an investment company under Section $3(c)(14)$ of the Investment Company Act.				
	(j)	//	Group, in accordance with Rule 13d-1(b)(1)(ii)(J).				
	(k)	//	Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K). If filing as a non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J), please specify the type of institution:				
Item 4.	Ownership						
(a)	Amount beneficially owned:						
			ose of business on September 9, 2019 (i) BVF beneficially owned 3,639,935 Shares, (ii) BVF2 beneficially owned 2,955,440 (iii) Trading Fund OS beneficially owned 528,891 Shares.				
	Partners OS, as the general partner of Trading Fund OS, may be deemed to beneficially own the 528,891 Shares beneficially owne Trading Fund OS.						

Partners, as the general partner of BVF, BVF2, the investment manager of Trading Fund OS, and the sole member of Partners OS, may be deemed to beneficially own the 7,361,801 Shares beneficially owned in the aggregate by BVF, BVF2, Trading Fund OS, and a certain Partners managed account (the "Partners Managed Account"), including 237,535 Shares held in the Partners Managed Account.

BVF Inc., as the general partner of Partners, may be deemed to beneficially own the 7,361,801 Shares beneficially owned by Partners.

Mr. Lampert, as a director and officer of BVF Inc., may be deemed to beneficially own the 7,361,801 Shares beneficially owned by BVF Inc.

The foregoing should not be construed in and of itself as an admission by any Reporting Person as to beneficial ownership of any Shares owned by another Reporting Person. Partners OS disclaims beneficial ownership of the Shares beneficially owned by Trading Fund OS. Each of Partners, BVF Inc. and Mr. Lampert disclaims beneficial ownership of the Shares beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Account, and the filing of this statement shall not be construed as an admission that any such person or entity is the beneficial owner of any such securities.

(b) Percent of class:

The following percentages are based on 43,193,190 Shares outstanding as of July 30, 2019, as reported in the Issuer's Quarterly Report on Form 10-Q filed with the Securities and Exchange Commission on August 1, 2019.

As of the close of business on September 9, 2019 (i) BVF beneficially owned approximately 8.4% of the outstanding Shares, (ii) BVF2 beneficially owned approximately 6.8% of the outstanding Shares, (iii) Trading Fund OS beneficially owned approximately 1.2% of the outstanding Shares, (iv) Partners OS may be deemed to beneficially own approximately 1.2% of the outstanding Shares, and (v) each of Partners, BVF Inc. and Mr. Lampert may be deemed to beneficially own approximately 17.0% of the outstanding Shares (less than 1% of the outstanding Shares is held in the Partners Managed Account).

- (c) Number of shares as to which such person has:
- (i) Sole power to vote or to direct the vote

See Cover Pages Items 5-9.

(ii) Shared power to vote or to direct the vote

See Cover Pages Items 5-9.

(iii) Sole power to dispose or to direct the disposition of

See Cover Pages Items 5-9.

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

See Cover Pages Items 5-9.

Item 5.	Ownership of Five Percent or Less of a Class.
	Not Applicable.
Item 6.	Ownership of More than Five Percent on Behalf of Another Person.
	Partners, BVF Inc. and Mr. Lampert share voting and dispositive power over the Shares beneficially owned by BVF, BVF2, Trading Fund OS, and the Partners Managed Account.
Item 7.	Identification and Classification of the Subsidiary That Acquired the Security Being Reported on by the Parent Holding Company or Control Person.
	Not Applicable.
Item 8.	Identification and Classification of Members of the Group.
	See Exhibit 99.1 to the Schedule 13G filed with the Securities and Exchange Commission on August 15, 2019.
Item 9.	Notice of Dissolution of Group.
	Not Applicable.
Item 10.	Certifications.

By signing below each of the undersigned certifies that, to the best of its knowledge and belief, the securities referred to above were 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 his knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: September 9, 2019

BIOTECHNOLOGY VALUE FUND, L.P.

- By: BVF Partners L.P., its general partner
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert

President

BVF INC.

By: /s/ Mark N. Lampert Mark N. Lampert

President

/s/ Mark N. Lampert MARK N. LAMPERT

BIOTECHNOLOGY VALUE FUND II, L.P.

- By: BVF Partners L.P., its general partner
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BVF PARTNERS L.P.

- By: BVF Inc., its general partner
- By: <u>/s/ Mark N. Lampert</u> Mark N. Lampert President

BVF PARTNERS OS LTD.

- By: BVF Partners L.P., its sole member
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert Mark N. Lampert President

BIOTECHNOLOGY VALUE TRADING FUND OS LP

- By: BVF Partners L.P., its investment manager
- By: BVF Inc., its general partner
- By: /s/ Mark N. Lampert

Mark N. Lampert President

