

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13D/A

Under the Securities Exchange Act of 1934
(Amendment No. 9)*

Enzo Biochem, Inc.
(Name of Issuer)

Common Stock, \$0.01 par value
(Title of Class of Securities)

294100102
(CUSIP Number)

Kevin A. McGovern, Esq.
c/o Harbert Discovery Fund, LP
2100 Third Avenue North, Suite 600
Birmingham, AL 35203
(205) 987-5577

with a copy to:

Eleazer Klein, Esq.
Schulte Roth & Zabel LLP
919 Third Avenue
New York, New York 10022
(212) 756-2000

(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

December 15, 2020
(Date of Event Which Requires Filing of This Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), Rule 13d-1(f) or Rule 13d-1(g), check the following box. []

(Page 1 of 13 Pages)

* 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	NAME OF REPORTING PERSON Harbert Discovery Fund, LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 1,915,027
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 1,915,027
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 1,915,027	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 4.00%	
14	TYPE OF REPORTING PERSON PN	

1	NAME OF REPORTING PERSON Harbert Discovery Fund GP, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 1,915,027
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 1,915,027
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 1,915,027	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 4.00%	
14	TYPE OF REPORTING PERSON OO	

1	NAME OF REPORTING PERSON Harbert Discovery Co-Investment Fund I, LP	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS WC	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 3,705,654
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 3,705,654
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 3,705,654	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.74%	
14	TYPE OF REPORTING PERSON PN	

1	NAME OF REPORTING PERSON Harbert Discovery Co-Investment Fund I GP, LLC	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 3,705,654
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 3,705,654
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12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 7.74%	
14	TYPE OF REPORTING PERSON OO	

1	NAME OF REPORTING PERSON Harbert Fund Advisors, Inc.	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Alabama	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 5,620,681
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 5,620,681
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 5,620,681	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 11.74%	
14	TYPE OF REPORTING PERSON IA, CO	

1	NAME OF REPORTING PERSON Harbert Management Corporation	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION Alabama	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
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	10	SHARED DISPOSITIVE POWER 5,620,681
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12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 11.74%	
14	TYPE OF REPORTING PERSON CO	

1	NAME OF REPORTING PERSON Jack Bryant	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION United States of America	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 5,620,681
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 5,620,681
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 5,620,681	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 11.74%	
14	TYPE OF REPORTING PERSON IN	

1	NAME OF REPORTING PERSON Kenan Lucas	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION United States of America	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
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13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 11.74%	
14	TYPE OF REPORTING PERSON IN	

1	NAME OF REPORTING PERSON Raymond Harbert	
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (a) <input type="checkbox"/> (b) <input type="checkbox"/>	
3	SEC USE ONLY	
4	SOURCE OF FUNDS AF	
5	CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDING IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) <input type="checkbox"/>	
6	CITIZENSHIP OR PLACE OF ORGANIZATION United States of America	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH:	7	SOLE VOTING POWER -0-
	8	SHARED VOTING POWER 5,620,681
	9	SOLE DISPOSITIVE POWER -0-
	10	SHARED DISPOSITIVE POWER 5,620,681
11	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH PERSON 5,620,681	
12	CHECK IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES <input type="checkbox"/>	
13	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11) 11.74%	
14	TYPE OF REPORTING PERSON IN	

The following constitutes Amendment No. 9 to the Schedule 13D filed by the undersigned (the “Amendment No. 9”). This Amendment No. 9 amends the Schedule 13D, filed with the Securities and Exchange Commission on April 8, 2019 as specifically set forth herein.

Item 4. PURPOSE OF TRANSACTION

Item 4 of the Schedule 13D is hereby amended and supplemented by the addition of the following:

On December 15, 2020, Harbert Discovery Fund, LP and Harbert Discovery Co-Investment Fund I, LP sent a letter to Dov Perlysky, Chairman of the Compensation Committee of the Board of the Issuer expressing disappointment with Elazar Rabbani and Bary Weiner’s excessive compensation. The foregoing summary of the letter is qualified by reference to the entirety of the letter, a copy of which is attached as Exhibit 7.

Item 7. MATERIAL TO BE FILED AS EXHIBITS

Item 7 of the Schedule 13D is hereby amended and supplemented by the addition of the following:

Exhibit 7: Letter to the Board of the Issuer.

SIGNATURES

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Date: December 15, 2020

Harbert Discovery Fund, LP

By: Harbert Discovery Fund GP, LLC,
its General Partner

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Discovery Fund GP, LLC

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Discovery Co-Investment Fund I, LP

By: Harbert Discovery Co-Investment Fund I GP, LLC, its General
Partner

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Discovery Co-Investment Fund I GP, LLC

By: Harbert Management Corporation,
its Managing Member

By: s/ John McCullough
Executive Vice President and
General Counsel

Harbert Fund Advisors, Inc.

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Management Corporation

By: /s/ John McCullough
Executive Vice President and
General Counsel

By: /s/ Jack Bryant
Jack Bryant

By: /s/ Kenan Lucas
Kenan Lucas

By: /s/ Raymond Harbert
Raymond Harbert



December 15, 2020

Harbert Discovery Fund Issues Letter to Dov Perlysky, Chairman of Enzo
Biochem's Compensation Committee

Birmingham, AL, December 15, 2020

Enzo Biochem, Inc.

Mr. Dov Perlysky, Director
60 Executive Boulevard
Farmingdale, NY 11735

Dear Dov,

We are writing to express disappointment in you as Chairman of Enzo Biochem, Inc.'s ("Enzo" or the "Company") Compensation Committee based on Elazar Rabbani ("Rabbani") and Barry Weiner's ("Weiner") excessive, unjustifiable 2020 compensation.

Harbert Discovery Fund, LP and Harbert Discovery Co-Investment Fund I, LP (collectively "HDF") currently own approximately 11.74% of the outstanding shares of Enzo, making us the Company's largest shareholder.

We have repeatedly expressed our frustration with Enzo's long history of rewarding Rabbani and Weiner excessive cash bonuses in the face of a declining share price and poor fundamental results. I most recently reiterated these views to you during a telephone call on October 28, 2020. At that time you stated:

"I would direct you to our proxy. I think you will see a fairly detailed heuristic for how we measure management."

Contrary to your statement, Enzo's 2020 proxy statement does not disclose any metrics by which you judged management's performance. It seems that in reaction to our criticisms regarding excessive compensation for Rabbani and Weiner during last year's proxy campaign Enzo has chosen to completely remove the financial performance measures the Company historically disclosed. The appropriate response would have been to set reasonable and market-based measurable targets for Rabbani and Weiner, disclose those targets to your shareholders, and only pay bonuses if those targets were met.

Fiscal 2020 revenue declined 6% and the Company generated a loss of \$28.5 million. We believe that it is clear that performance-based cash bonuses were not warranted. Yet the Compensation Committee approved a \$500,000 cash bonus to Rabbani and a \$375,000 cash bonus to Weiner, which is the same amount of performance-based compensation they received in 2019 and 2018.

Even more shockingly, Enzo paid senior management these excessive bonuses in a year when the Company took out a \$7 million PPP loan.

We believe these facts are offensive to your shareholders and Enzo's employees. If you were somehow misled by Rabbani or fear his retribution, then we encourage you to join us in our demand for his resignation. Conversely, if you have decided to go along with what appears to be a clear misuse of shareholder resources, then we question your ability to make decisions that are in the best interests of your shareholders.

Rewarding Rabbani and Weiner as Enzo's stock price struggles under their leadership continues an unfortunate pattern that has gone on much too long. As a director we call on you to start taking meaningful steps to hold both of them more accountable.

Sincerely,

Harbert Discovery Fund, LP

Harbert Discovery Co-Investment Fund I, LP



Kenan Lucas, Managing Director and Portfolio Manager of Harbert Discovery Fund GP, LLC and Harbert Discovery Co-Investment Fund I GP, LLC

Important Disclosure

THIS STATEMENT CONTAINS OUR CURRENT VIEWS ON THE VALUE OF SECURITIES OF ENZO BIOCHEM, INC. ("ENZO"). OUR VIEWS ARE BASED ON OUR ANALYSIS OF PUBLICLY AVAILABLE INFORMATION AND ASSUMPTIONS WE BELIEVE TO BE REASONABLE. THERE CAN BE NO ASSURANCE THAT THE INFORMATION WE CONSIDERED IS ACCURATE OR COMPLETE, NOR CAN THERE BE ANY ASSURANCE THAT OUR ASSUMPTIONS ARE CORRECT. WE DO NOT RECOMMEND OR ADVISE, NOR DO WE INTEND TO RECOMMEND OR ADVISE, ANY PERSON TO PURCHASE OR SELL SECURITIES AND NO ONE SHOULD RELY ON THIS STATEMENT OR ANY ASPECT OF THIS STATEMENT TO PURCHASE OR SELL SECURITIES OR CONSIDER PURCHASING OR SELLING SECURITIES. THIS STATEMENT DOES NOT PURPORT TO BE, NOR SHOULD IT BE READ, AS AN EXPRESSION OF ANY OPINION OR PREDICTION AS TO THE PRICE AT WHICH ENZO'S SECURITIES MAY TRADE AT ANY TIME. AS NOTED, THIS STATEMENT EXPRESSES OUR CURRENT VIEWS ON ENZO. OUR VIEWS AND OUR HOLDINGS COULD CHANGE AT ANY TIME WITHOUT NOTICE AND WE MAKE NO COMMITMENT TO UPDATE THIS STATEMENT IN THE EVENT OUR VIEWS OR HOLDINGS CHANGE. INVESTORS SHOULD MAKE THEIR OWN DECISIONS REGARDING ENZO AND ITS PROSPECTS WITHOUT RELYING ON, OR EVEN CONSIDERING, ANY OF THE INFORMATION CONTAINED IN THIS STATEMENT.

About Harbert Discovery Fund (HDF)

HDF invests in a concentrated portfolio of publicly traded small capitalization companies in the US and Canada. We perform significant due diligence on each portfolio company prior to investing. In addition to researching all publicly available information and meeting with management, our diligence includes substantial primary research with industry experts, consultants, bankers, customers and competitors. We often spend months or years researching ideas before making an investment decision and we only invest in companies that we believe are significantly undervalued, and where there is the potential for change to enhance or accelerate value creation. In an effort to unlock this potential value, we seek to work directly with the boards and management teams of our portfolio companies privately and collaboratively, engaging with them on a range of factors including governance, board composition, corporate strategy, capital allocation, strategic alternatives and operations. We have effected positive, fundamental changes at our current and past investments through this behind-the-scenes, constructive approach.

About Harbert Management Corporation (HMC)

HMC is an alternative asset management firm with approximately \$7.5 billion in regulatory assets under management as of November 30, 2020. HMC currently sponsors eight distinct investment strategies with dedicated investment teams. Additional information about HMC can be found at www.harbert.net.

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