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Securities and Exchange Commission
Washington, D. C. 20549
Schedule 13G
Under the Securities Exchange Act of 1934
(Amendment No. 5)
Enzo Biochem Inc
Common Stock
CUSIP Number 294100102
Date of Event Which Requires Filing of this Statement: 12/31/2010
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)
CUSIP No. 294100102
1) Name of reporting person:
    ClearBridge Advisors, LLC
    Tax Identification No.:
    01-0846058
2) Check the appropriate box if a member of a group:
    a) X
    b) n/a
3) SEC use only
4) Place of organization:
Number of shares beneficially owned by each reporting person with:
5) Sole voting power: 4,588,707
6) Shared voting power: 0
7) Sole dispositive power: 5,071,527
8) Shared dispositive power: 0
9) Aggregate amount beneficially owned by each reporting person:
    5,071,527
10) Check if the aggregate amount in row (9) excludes certain shares:
11) Percent of class represented by amount in row (9):
    13.29%
12) Type of reporting person:
    ΙA
Item 1a) Name of issuer:
         Enzo Biochem Inc
Item 1b) Address of issuers principal executive offices
         60 Executive Blvd
         Farmingdale, NY 11735 United States
Item 2a) Name of person filing:
         ClearBridge Advisors, LLC
Item 2b) Address of principal business office:
         620 8th Avenue
         New York, NY 10018
Item 2c) Citizenship:
         Delaware Limited Liability Corporation
Item 2d) Title of class of securities:
         Common Stock
Item 2e) CUSIP number: 294100102
Item 3) If this statement is filed pursuant to Rule 13d-1(b),
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5)	(	Owne:	rship o	of Five	Percen	ıt or l	ess c	fac	class	:				

- Item n/a
- Item 6) Ownership of more than Five Percent on behalf of another person: n/a
- Identification and classification of the subsidiary which Item 7) acquired the security being reported on by the parent holding company: n/a
- Item 8) Identification and classification of members of the group:
- Notice of dissolution of group: Item 9) n/a

## Item 10) Certification:

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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 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 my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date February 11 2011

ClearBridge Advisors, LLC

By: /s/Barbara Brooke Manning Barbara Brooke Manning, General Counsel & Chief Compliance Officer