## Accepted Manuscript

Title: Cilostazol, a PDE3 inhibitor, activates proteasome proteolysis and attenuates tauopathy and cognitive decline

Author: Ari W. Schaler, Natura Myeku

PII:	S1931-5244(17)30313-4
DOI:	https://doi.org/10.1016/j.trsl.2017.11.004
Reference:	TRSL 1203

To appear in: *Translational Research* 

 Received date:
 9-5-2017

 Revised date:
 25-10-2017

 Accepted date:
 16-11-2017



Please cite this article as: Ari W. Schaler, Natura Myeku, Cilostazol, a PDE3 inhibitor, activates proteasome proteolysis and attenuates tauopathy and cognitive decline, *Translational Research* (2017), https://doi.org/10.1016/j.trsl.2017.11.004.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## **ACCEPTED MANUSCRIPT**

1	, a PDE3 inhibitor, activates proteasome proteolysis and attenuates tauopathy and
2	cognitive decline
3	Ari W. Schaler <sup>1</sup> and Natura Myeku <sup>1*</sup>
4	<sup>1</sup> Department of Pathology and Cell Biology, Taub Institute for Research on Alzheimer's Disease
5	and the Aging Brain, Columbia University, New York, New York, USA.
6	
7	*Corresponding author:
8	Natura Myeku, Ph.D.
9	Assistant Professor of Pathology and Cell Biology
10	Department of Pathology and Cell Biology,
11	Taub Institute for Research on Alzheimer's Disease and the Aging Brain
12	Columbia University Medical Center
13	168th West, P&S 12-440. New York, NY, 10032.
14	Tel: (212) 305-8973
15	nm2631@cumc.columbia.edu
16	
17	Running head:
18	PDE inhibitors as proteasome activators
19	
20	Abbreviations
21	AD = Alzheimer's disease; CBD = Corticobasal degeneration; FTD = Frontotemporal
22	degeneration; FDA = Food and drug administration; GST-UBL= glutathione-S-transferase-
23	ubiquitin-like domain; HD = Huntington's disease; MWM = Morris water maze; MCI = mild
24	cognitive impairment; PDEI = phosphodiesterase inhibitor; PKA = protein kinase A; PSP =
25	Progressive Supranuclear palsy; UPS = Ubiquitin proteasome system.
26	

Download English Version:

## https://daneshyari.com/en/article/8768989

Download Persian Version:

https://daneshyari.com/article/8768989

Daneshyari.com