



Catalog Number:	MC11093	Product Type:	Small Molecule
Bio-Activity:	HAT inhibitor	CAS #:	78824-30-3
Research Categories:	Epigenetics, cell death, stem cells, cancer	Chemical Name:	Natural product from Garcinia
Solubility:	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml).	Molecular Formula:	C38H50O6
Purity:	> 98%	Molecular Weight:	602.80
Format:	Powder	Ship Temp:	Ambient
Storage:	-20°C		

Application Notes

Description/Data:

Potent inhibitor of histone acetyl transferases p300 (IC₅₀=7 µM) and pCAF (IC₅₀=5 µM) [1]. Induces apoptosis in various cell lines [2]. Promotes expansion of human hematopoietic stem cells [3]. Potentiates TRAIL-induced apoptosis in cancer cells [4]. Cell permeable.

References:

- 1) K Balasubramanyam et al. J. Biol. Chem. 2004 279:33716
- 2) MA Parasramka et al. Nutr. Cancer 2011 63:456
- 3) T Nishino et al. PLoS One 2011 6:e24298
- 4) S Prasad et al. Mol. Cancer Ther. 2010 9:856

FOR RESEARCH USE ONLY

NEUROMICS' REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.-V2/08/2012