



Catalog Number:	MC11010	Product Type:	Small Molecule
Bio-Activity:	SIRT1 inhibitor	CAS #:	49843-98-3
Research Categories:	Neuroscience, epigenetics, stem cells	Chemical Name:	6-chloro-2,3,4,9-tetrahydro-1H-carbazole-1-xarboxamide (racemic)
Solubility:	Soluble in DMSO (up to 18 mg/ml) or in Ethanol (up to 10 mg/ml).	Molecular Formula:	C13H13ClN2O
Purity:	> 98%	Molecular Weight:	248.71
Format:	Powder	Ship Temp:	Ambient
Storage:	-20°C		

Application Notes

Description/Data:

EX-527 is a SIRT1 inhibitor (IC50=98 nM). However, it does not inhibit other HDACs or SIRT family members. It also increases p53 acetylation following DNA damage.

References:

- 1) J.M. Solomon, et al. (2006), Inhibition of SIRT1 catalytic activity increases p53 acetylation but does not alter cell survival following DNA damage; *Mol. Cell Biol.*; 26 :28
- 2) J.L. Anderson et al. (2011) Inhibition of SIRT1 Catalytic Activity Increases p53 Acetylation but Does Not Alter Cell Survival following DNA Damage; *Mol. Cell*, 43:834

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