



# Garcinol

# Data Sheet

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

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## Application Notes

### Description/Data:

Potent inhibitor of histone acetyl transferases p300 (IC<sub>50</sub>=7 μM) and pCAF (IC<sub>50</sub>=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

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