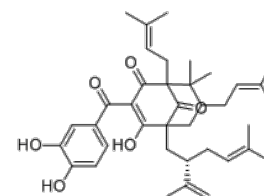


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<b>Product Name</b>	: Garcinol
<b>Cat. No.</b>	: PC-62558
<b>CAS No.</b>	: 78824-30-3
<b>Molecular Formula</b>	: C <sub>38</sub> H <sub>50</sub> O <sub>6</sub>
<b>Molecular Weight</b>	: 602.812
<b>Target</b>	: Histone Acetyltransferase (HAT)
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

Garcinol (Camboginol) is a potent, natural inhibitor of histone acetyltransferases (HATs) **p300** (IC<sub>50</sub>=7 μM) and **PCAF** (IC<sub>50</sub>=5 μM) both in vitro and in vivo.

Garcinol (Camboginol) downregulates various cell survival proteins including survivin, bcl-2, XIAP, and cFLIP, and induces bid cleavage, bax, and cytochrome c release.

Garcinol (Camboginol) potentiates TRAIL-induced apoptosis through upregulation of death receptors and downregulation of antiapoptotic proteins.

Garcinol (Camboginol) also stimulates neurogenesis and ex vivo expansion of human hematopoietic stem cells.

## References

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Prasad S, et al. *Mol Cancer Ther*. 2010 Apr;9(4):856-68.

Nishino T, et al. *PLoS One*. 2011;6(9):e24298.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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