

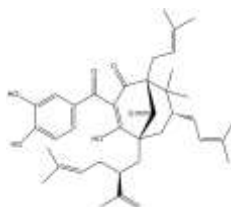
## Garcinol

**ALTERNATE NAME:** Camboginol

**CATALOG #:** 2088-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>38</sub>H<sub>50</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 602.80

**CAS NUMBER:** 78824-30-3

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (25 mg/ml) or EtOH (25 mg/ml)

**PURITY:** ≥95% by TLC

**STORAGE:** Store at -20 °C. Protect from air and light.

**DESCRIPTION:** Garcinol is a polyisoprenylated benzophenone derivative isolated from *Garcinia indica*. It is a potent 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*. HAT activity-dependent chromatin transcription was inhibited by garcinol, but it had no effect on naked DNA transcription. Moreover, it induces apoptosis in several types of cancer cells and has anti-inflammatory actions. Garcinol promotes neurogenesis and *ex vivo* expansion of human hematopoietic stem cells.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

- Anacardic Acid (**Cat. No. 1849-5, 25**)
- C646, p300/CBP Inhibitor (**Cat. No. 1948-1, 5**)
- Curcumin, Curcuma longa (High Purity) (**Cat. No. 1850-10, 50**)
- HAT (P/CAF), Human Recombinant (**Cat. No. 1137-100**)
- HAT Activator, CTPB (**Cat. No. 2086-1, 5**)
- HAT Activity Colorimetric Assay Kit (**Cat. No. K332-100**)
- HAT-1 Antibody (**Cat. No. 3689-100**)
- HAT-2 Antibody (**Cat. No. 3692-100**)
- HAT-3 Antibody (**Cat. No. 3707-100**)

**FOR RESEARCH USE ONLY! Not to be used in humans.**