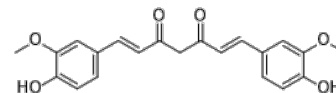


Product Name : Curcumin
Cat. No. : PC-24370
CAS No. :
Molecular Formula : C₂₁H₂₀O₆
Molecular Weight : 368.39
Target : Histone Acetyltransferase (HAT)
Solubility : 10 mM in DMSO



Biological Activity

Curcumin (Diferuloylmethane) is a specific p300/CREB-binding protein acetyltransferase, inhibits acetylation of histone/nonhistone proteins and histone acetyltransferase-dependent chromatin transcription.

Curcumin shows inhibitory effects on NF-κB and MAPKs, and has diverse pharmacologic effects including anti-inflammatory, antioxidant, antiproliferative and antiangiogenic activities.

Curcumin induces stabilization of Nrf2 protein through Keap1 cysteine modification.

References

Zhu X, et al. PLoS One. 2014 Mar 6;9(3):e91303.

Balasubramanyam K, et al. J Biol Chem. 2004 Dec 3;279(49):51163-71.

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

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