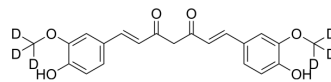


## Curcumin-d<sub>6</sub>

<b>Cat. No.:</b>	HY-N0005S
<b>CAS No.:</b>	1246833-26-0
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>14</sub> D <sub>6</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	374.42
<b>Target:</b>	Keap1-Nrf2; Ferroptosis; Autophagy; Histone Acetyltransferase; Epigenetic Reader Domain; Mitophagy; Influenza Virus
<b>Pathway:</b>	NF-κB; Apoptosis; Autophagy; Epigenetics; Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Curcumin-d <sub>6</sub> is a deuterium labeled Curcumin (Turmeric yellow). Curcumin (Turmeric yellow) is a natural phenolic compound with diverse pharmacologic effects including anti-inflammatory, antioxidant, antiproliferative and antiangiogenic activities. Curcumin is an inhibitor of p300 histone acetyltransferase (HATs) and also shows inhibitory effects on NF-κB and MAPKs.
<b>IC<sub>50</sub> &amp; Target</b>	CBP/p300

### REFERENCES

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- [2]. Nasiri M, et al. Curcumin and Silibinin Inhibit Telomerase Expression in T47D Human Breast Cancer Cells. *Asian Pac J Cancer Prev.* 2013;14(6):3449-53.
- [3]. Jiang H, et al. Antidepressant-like effects of curcumin in chronic mild stress of rats: Involvement of its anti-inflammatory action. *Prog Neuropsychopharmacol Biol Psychiatry.* 2013 Jul 20. pii: S0278-5846(13)00150-4.
- [4]. Guo H, et al. Curcumin induces cell cycle arrest and apoptosis of prostate cancer cells by regulating the expression of IκBα, c-Jun and androgen receptor. *Pharmazie.* 2013 Jun;68(6):431-4.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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