



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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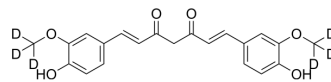
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Curcumin-d₆

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



BIOLOGICAL ACTIVITY

Description	Curcumin-d ₆ 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.
IC₅₀ & Target	CBP/p300

REFERENCES

- [1]. Gao S, et al. Curcumin attenuates arsenic-induced hepatic injuries and oxidative stress in experimental mice through activation of Nrf2 pathway, promotion of arsenic methylation and urinary excretion. *Food Chem Toxicol.* 2013 Jul 18. pii: S0278-6915(13)004.
- [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.
- [5]. Zhu X, et al. Curcumin alleviates neuropathic pain by inhibiting p300/CBP histone acetyltransferase activity-regulated expression of BDNF and cox-2 in a rat model. *PLoS One.* 2014 Mar 6;9(3):e91303.

Caution: Product has not been fully validated for medical applications. For research use only.

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