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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Curcumin

Catalog #: 27104

Lot #: 111121

Size: 1 g

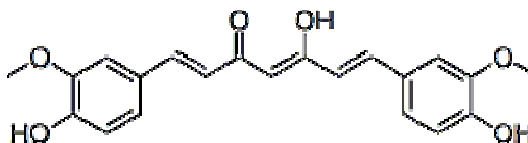
Structure:

CAS Registry #: 458-37-7

Purity: >99%

Chemical Formula: C₂₁H₂₀O₆

Molecular Weight: 368.38



Description: Curcumin, also known as diferuloylmethane, natural yellow 3, or C.I. 75300, is the principal curcuminoid of the popular Indian spice turmeric, which is a small molecule, selective HAT inhibitor. It has shown to promote degradation of p300 and inhibits the acetyltransferases activity of purified p300 using either histone H3 or p53 as a substrate.

Appearance: Yellow powder.

Solubility: Soluble in acetone, ethanol and DMSO.

Biological Activity: Acetylation of histones H3 and H4 by p300/CBP was strongly inhibited by curcumin with an IC₅₀ 25 μM.

Storage/Stability: Store at or below -20 °C.

Quality Control: The purity was determined by HPLC analysis.

Reference(s):

1. Marcu, MG. *et al.*, *Med. Chem.* 2006 Mar; **2(2)**: 169-174.
2. Kundu, TK. *et al.*, *Journal of Biological Chemistry* (2004); **279(49)**:51163-51171.