



# CURCUMIN

Curcumin extract, derived from the turmeric plant, has gained significant attention in the scientific community due to its potential health benefits.

## Chemical Structure

Curcumin has been extensively studied for its antioxidant, anti-inflammatory, and anticancer properties.

## Bioavailability

Researchers have explored various methods to enhance its bioavailability, such as combining it with other compounds like piperine or encapsulating it in lipid-based formulations.

## Targeted Effects

It modulates numerous molecular targets within cells, including transcription factors, enzymes, cytokines, and cell survival proteins. This pleiotropic activity contributes to its diverse health-promoting effects.

## POSSIBLE BENEFITS

- Anti-Itching
- Anti-Oxidative
- Anti-Gum Disease
- Antioxidants
- Aids Longevity
- Anti-Depressant
- Anti-Inflammatory
- Helps With Alzheimer's Disease
- Helps With Irritable Bowel Syndrome
- Helps With Liver Problems

## PHYTOCHEMICAL - CURCUMIN

Since the onset of COVID-19 pandemic, there has been growing interest in strengthening immune systems to effectively defend against this deadly virus. Turmeric, a natural immune-booster contains a bioactive compound known as curcumin, acts as an anti-inflammatory agent, and is commonly used in Indian cuisine. Additionally, turmeric can be consumed as a decoction in Kadha, an Ayurvedic home remedy that incorporates the immune-boosting benefits to fight flu and infections.

### Specifications

**Botanical/Scientific name** Curcuma longa

**CAS no.** 458-37-7

**Description** Bright yellow-orange in color

**Assay** By HPLC 95%

**Complies with EU food regulations**