



PIPERINE

Piperine is a bioactive compound found in black pepper (*Piper nigrum*) and other related spices.



Bioavailability Enhancement

One of the primary roles of piperine is its ability to enhance the bioavailability of other nutrients and compounds, particularly in the context of dietary supplements.

Neuroprotective Effects

Helping to protect brain cells from damage and degeneration. It may enhance cognitive function, improve memory, and reduce the risk of neurodegenerative diseases like Alzheimer's and Parkinson's disease.

Traditional Medicine

It has been used in Traditional medicine systems like Ayurveda for its digestive and medicinal properties. It is often combined with other herbs and spices to enhance their bioavailability and therapeutic effects.

THE BIOACTIVE COMPOUND

Piperine is the major bioactive component of pepper, which is responsible for imparting its pungent and biting taste. This naturally occurring alkaloid has numerous demonstrated health effects and beneficial therapeutic properties.

- Black pepper is rich in the compound called piperine, which test-tube studies have found to have potent antioxidant properties.
- Research indicates that a diet rich in antioxidants may aid in preventing or delaying the harmful effects of free radicals.
- Ground black pepper and piperine supplements have shown in test-tube and rodent studies to reduce free radical damage.

Specifications

Botanical/Scientific name *Piper nigrum*

CAS no. 84929-41-9

Description Off-white to cream powder

Assay By HPLC 95%

Complies with EU food
regulations