



Berberine Hydrochloride

Product Introduction

Berberine hydrochloride is a natural alkaloid extracted from plants such as *Coptis chinensis* (Huanglian), *Phellodendron chinense* (Huangbai), and *Berberis aristata* (Sankezhen). It exhibits a wide range of pharmacological activities, including antibacterial, anti-inflammatory, hypoglycemic, and hypolipidemic effects. It is commonly used to treat intestinal infections and bacterial diseases in Traditional Chinese Medicine (TCM), and modern research has shown its notable effects in regulating blood glucose, improving metabolic syndrome, and promoting cardiovascular health. It is primarily applied in pharmaceutical formulations, dietary supplements, and functional food products.

Product Specifications



Berberine Powder 97%



Berberine Granule 97%



Liposomal Berberine 70%

Product Advantages

100% natural, healthier

Granule form available, more convenient for encapsulation

Liposomal Technology: Better absorption & Widely applications

Product Information

Product Name: Berberine Hydrochloride

Specification:

Berberine Powder 97%

Berberine Granule 97%

Liposomal Berberine 70%

CAS No.: 633 - 65 - 8

Source: Berberis Aristata

Used Part: Bark/Root

Solubility: Readily soluble in boiling water, slightly soluble in cold water, almost insoluble in cold ethanol, chloroform, and ether.



Main Functions

Blood Sugar Regulation

Helps manage type 2 diabetes by enhancing insulin sensitivity.

(Oxid Med Cell Longev. 2021 Dec 15;2021:2074610. doi: 10.1155/2021/2074610. eCollection 2021.)

Lipid-Lowering Effects

Reduces LDL cholesterol and triglyceride levels.

(Phytomedicine. 2018 Nov 15;50:25–34. doi: 10.1016/j.phymed.2018.09.212. Epub 2018 Sep 28.)

Antimicrobial & Antiviral Properties

Exhibits significant inhibitory effects against various bacteria, including Helicobacter pylori.

(Arch Virol. 2020 Jun 28;165(9):1935 – 1945. doi: 10.1007/s00705-020-04706-3)

Gut Health Protection

Supports digestive function and maintains gut microbiota balance.

(Front Cell Infect Microbiol. 2021 Feb 19;10:588517. doi: 10.3389/fcimb.2020.588517)

Cardiovascular Protection

Helps lower blood pressure and supports heart health.

(Theranostics. 2019 Mar 16;9(7):1923 – 1951. doi: 10.7150/thno.30787)

Anti-Inflammatory Effects

Reduces oxidative stress and inflammatory responses.

(Evid Based Complement Alternat Med. 2014 Feb 11;2014:289264. doi: 10.1155/2014/289264)

Applications



Dietary Supplements

Used in capsules, tablets, and softgels.



Cosmetics

Anti-inflammatory



Agriculture

Alkaloid-based fungicide & plant growth regulator



Feed

Antimicrobial growth promoter, improves meat quality, and enhances immunity

Reference Health Supplements Formula

1

Berberine HCl



Milk Thistle Extract



Alpha-Lipoic Acid

Promotes liver health and metabolic regulation

2

Berberine HCl



Vitamin D3



Quercetin

Exhibits antimicrobial and antiviral properties, Enhancing immune function

3

Berberine HCl



Resveratrol



Coenzyme Q10

Supports cardiovascular health and delays aging