



## Invigorate Blood Herbs

# Herb Pharmacology

中藥藥理學

**Chuan Xiong 川芎**  
(Warm)



Chemical Composition	Alkaloids, organic acid, protocatechuic acid, folic acid, vanillic, caffeic acid.		
Pharmacological Effects	Cardiovascular	anti-platelet & anticoagulant	Sedative
	Circulatory	Protective effect against radiation	
	Effects on the smooth muscles		
Clinical studies and research	Headache	angina	Cerebral thrombosis
	Cerebral embolism	Trigeminal nerve pain	
	Hypertrophic myelitis & bone spurs of the heels		
Herb-Drug Interaction	Anticoagulant or antiplatelet drugs		



**Yan Hu Suo 延胡索**  
( Warm)



Chemical Composition	D-corydaline, dl-tertaphydropalmatine, corydalis I, protopine		
Pharmacological Effects	Analgesic	Sedative & tranquilizing	Anti-inflammatory
	Antiulcer	Cardiovascular	andrenocortical
	Muscle relaxant	Effects on the central nervous sys.	
Clinical studies and research	Coronary artery disorder	Local anesthetic	
	arrhythmia		



# Herb Pharmacology

# 中藥藥理學

Yu Jin 郁金  
(Cold)



Chemical Composition	Essential oil, d-camphene, d-camphor, curumin, demethoxycurcumin		
Pharmacological Effects	Hepatoprotective	Antihyperlipidemic	Gastrointestinal
Clinical studies and research	Coronary artery disease	Gastric bleeding	
	Pre-ventricular contraction		
Herb-Drug Interaction	Anticoagulant or antiplatelet drugs		





**Ru Xiang 乳香**  
**(Warm)**



Chemical Composition	Boswellic acid, olibanoresene, arabic acid, bassorin, pinene, dipentene		
Pharmacological Effects	Analgesic		
Clinical studies and research	Hypochondriac pain in hepatitis patients		Pain
	External injury		



# Herb Pharmacology

中藥藥理學

Dan Shen 丹参 (slightly cold)



<b>Chemical Composition</b>	Tanshinone I, II; hydroxytanshinone, methyltanshinonate		
<b>Pharmacological Effects</b>	<b>Cardiovascular</b>	<b>Antiplatelet</b>	<b>Antibiotic</b>
	<b>Anticoagulant &amp; thrombolytic</b>		<b>Hepatoprotective</b>
	<b>Antineoplastic</b>		<b>CNS suppressant</b>
<b>Clinical studies and research</b>	<b>Acute viral hepatitis</b>	<b>Chronic nephritis</b>	<b>Oral leukoplakia</b>
	<b>Chronic hepatitis</b>	<b>Cervical erosion</b>	<b>Whooping cough</b>
	<b>Epidemic hemorrhagic fever</b>		<b>Schistosomal hepatomegaly</b>
	<b>Coronary artery disease</b>		<b>Shock</b> <b>Ischemic stroke</b>
	<b>scleroderma</b>	<b>Insomnia</b>	<b>Cerebral thrombosis</b>
	<b>Allergic rhinitis</b>	<b>glaucoma</b>	
	<b>Herb-Drug Interaction</b>	<b>Anticoagulant or antiplatelet drugs</b>	<b>digoxin</b>



## Hong Hua 红花 (Warm)



Chemical Composition	Carthamin, neocarthamin, carthamone, carthamidin,		
Pharmacological Effects	Cardiovascular	Antiplatelet	CNS suppressant
	Adaptogenic	Uterine stimulant	
Clinical studies and research	Cerebral thrombosis	Coronary artery disease	
	Duodenal ulcer	Flat warts	
Herb-Drug Interaction	Anticoagulant or antiplatelet drugs		



## Tao Ren 桃仁 (neutral)



Chemical Composition	Emulsin, allantoinase, lipids. Essential oils		
Pharmacological Effects	Hematological	Anti-inflammatory	Others
Clinical studies and research	Schistosomal cirrhosis		Angiitis
Herb-drug interaction	Anticoagulant or antiplatelet drugs		





# Herb Pharmacology

# 中藥藥理學

**Yi Mu Cao 益母草**  
(slightly cold)



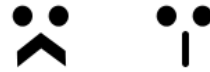
Chemical Composition	Leonurine, stachydrine, leonuridien, leonurinine, lauric acid...		
Pharmacological Effects	Uterine stimulant	Cardiovascular	Antiplatelet
	Respiratory	Renal	
Clinical studies and research	Acute nephritis	Coronary artery disease	
	Hypertension	Irregular menstruation	
Herb-Drug Interaction	Anticoagulant or antiplatelet drugs		



# Herb Pharmacology

# 中藥藥理學

**Niu Xi 牛膝**  
(neutral)



<b>Chemical Composition</b>	Ecdysterone, inoteosterone, inokosterone...		
<b>Pharmacological Effects</b>	<b>Analgesic &amp; anti-inflammatory</b>	<b>Cardiovascular</b>	<b>Uterine stimulant</b>
	<b>Effect on prognancy</b>		
<b>Clinical studies and research</b>	<b>Dilation of cervical os</b>	<b>Galacturia</b>	



**Chuan Niu Xi 川牛膝**  
( Neutral )



<b>Chemical Composition</b>	Cyasterone, isocyasterone, sengosterone, amerasterone A	
<b>Pharmacological Effects</b>	Effect on pregnancy	
<b>Clinical studies and research</b>	Uterine bleeding	
	Acute epistaxis	



# Herb Pharmacology

中藥藥理學

**San Leng 三棱**  
(neutral)



Chemical Composition	Essential oils, starch		
Pharmacological Effects	Antineoplastic	Gastrointestinal	Hematological
Clinical studies and research	Ectopic pregnancy	Hepatic carcinoma	
	Malignant tumor		
Herb-Drug Interaction	Anticoagulant or antiplatelet drugs		



# Herb Pharmacology

# 中藥藥理學

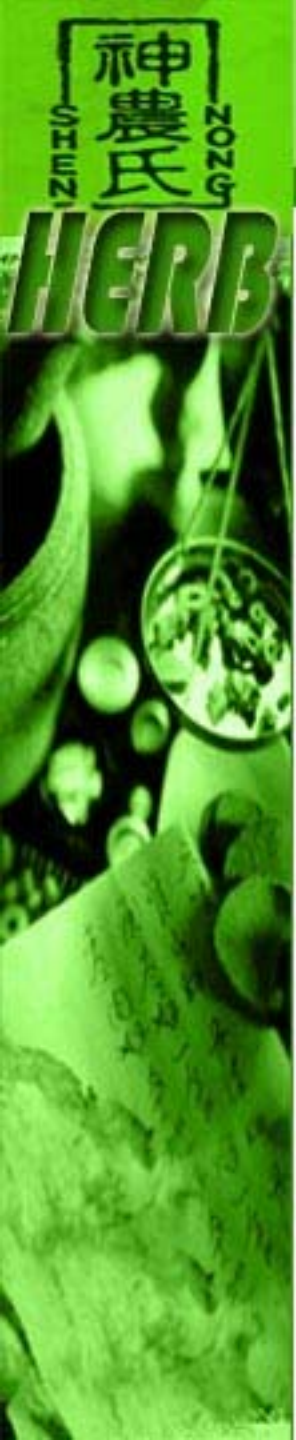
**E Zhu 莪术**  
(warm)



Chemical Composition	Zederone, zedoarone, furanodine, curzerene, furanodienone...		
Pharmacological Effects	Antineoplastic	Antibiotic	Hematological
Clinical studies and research	Coronary artery disease	Neurodermatitis	COPD
	Malignant cancer	Psychiatric disorders with blood stasis	
Herb-drug interaction	Anticoagulant or antiplatelet drugs		



Transform phlegm & stop cough herbs



# Herb Pharmacology

# 中藥藥理學

**Zhi Ban Xia 制半夏**  
(warm)



Chemical Composition	Homogentisic acid, homogentisic acid glucoside...		
Pharmacological Effects	Antitussive	Antiemetic	Antineoplastic
Clinical studies and research	Cervical carcinoma	Nausea & vomiting during pregnancy	
	Cervical erosion	Chronic lymphadenitis	
Herb-Drug Interaction			



**Zhi Tian Nan Xing** 制天南星  
(warm)



Chemical Composition	Aminobutyric acid, ornithine, citrulline, arginine, glutamic acid...		
Pharmacological Effects	Antiseizure & anticonvulsant	Sedative	Antineoplastic
Clinical studies and research	Cervical cancer		Parotitis
Herb-drug interaction	sedatives		





# Herb Pharmacology

中藥藥理學

**Bai Jie Zi 白芥子**  
**(Warm)**



Chemical Composition	Sinalbin, sinapine, myrosin, lipids, protein		
Pharmacological Effects	Expectorant	Dermatological	Antibiotic
Clinical studies and research	Tracheitis in children	Pneumonia in children	
	Numbness in the facial region		
Herb-Drug Interaction			



## Jie Geng 桔梗 (neurtal)



Chemical Composition	Platycodigenin, polygalacic acid, platycogenic acid A, B		
Pharmacological Effects	Expectorant & antitussive	Cardiovascular	Anti-inflammatory
	Gastrointestinal	Antidiabetic	Others
Clinical studies and research	Pulmonary abscess		
Herb-drug interaction			



# Herb Pharmacology

中藥藥理學

**Chuan Bei Mu 川贝母 (slightly cold)**



<b>Chemical Composition</b>	Chinpeimine, fritiminine, beilupeimine, sonpeimine, sipeimine		
<b>Pharmacological Effects</b>	<b>Antitussive</b>	<b>Expectorant</b>	<b>Others</b>
<b>Clinical studies and research</b>	<b>Whooping cough</b>	<b>Chapped nipples</b>	
<b>Herb-Drug Interaction</b>			





## Zhe Bei Mu 浙贝母(cold)



Chemical Composition	Peimine, peiminine, peimidine, peimiphine, peimisine, peimitidine..	
Pharmacological Effects	Antitussive	Effects on smooth muscle
Clinical studies and research	Upper respiratory tract infection and cough from chronic bronchitis	
Herb-drug interaction		



# Herb Pharmacology

中藥藥理學

**Xing Ren 杏仁**  
(slightly warm)



Chemical Composition	Amygdalin, emulsin, hydroxynitrile lyase, amygdalase		
Pharmacological Effects	Antihypertensive	Antitussive and antiasthmatic	Antineoplastic
Clinical studies and research	Chronic tracheitis		



**Zi Wan 紫菀**  
**(slightly warm)**



Chemical Composition	Astersaponin, shionone, quercetin, friedelin, epifriedelinol, shionoside		
Pharmacological Effects	Respiratory	Antibiotic	
	antineoplastic		



## Kuan Dong Hua 款冬花 (warm)



Chemical Composition	Faradiol, arnidiol, taraxanthin, phytosterine, senkirine,		
Pharmacological Effects	Respiratory	Cardiovascular	
	CNS stimulant		



# Herb Pharmacology

中藥藥理學

Pi Pa Ye 枇杷叶  
(neutral)



Chemical Composition	Neiolidol, farnesol, amygdalin, ursolic acid, or wrapped in cheesecloth		
Pharmacological Effects	Antitussive	Antibiotic	
Clinical studies and research	Chronic tracheitis	Pinworm	





Sang Bai Pi 桑白皮  
(cold)



<b>Chemical Composition</b>	Morusin, mullberrin, mullberrochromene, cyclomulberrin		
<b>Pharmacological Effects</b>	Diuretic	Cardiovascular	Gastrointestinal
	Analgesic	Antibiotic	Others
<b>Clinical studies and research</b>	Esophageal and stomach cancers		

