

# PHARMACOGNOSY

## Important secondary metabolites of pharmacological importance

SOURCE PLANT	PARTS USED	ACTIVE PRINCIPLES	USES
<i>Areca catechu</i>	Dried Aqueous extract of wood	Catechin	<ul style="list-style-type: none"><li>• Used in Cough and Diarrhoea.</li><li>• Used for relaxing throat, mouth and gums</li></ul>
<i>Curcuma longa</i>	Dried Rhizome	Curcuminoid (Curcumin) (Resin)	<ul style="list-style-type: none"><li>• Used as a aromatic, stomachic, diuretic, carminative and blood purifier.</li><li>• Used in cold and Cough.</li><li>• Used in Juandice and Hepatitis</li></ul>
<i>Digitaria purpurea</i>	Dried leaves	Digitoxin (Glycoside)	<ul style="list-style-type: none"><li>• Used as a cardiac stimulant. The drug stimulates cardiac muscles, increases the cystole of heart ventricles and normalizes the heart frequency.</li><li>• In this respect it is useful heart tonic in treatment of congenstive heart failure.</li></ul>
<i>Catharanthus roseus</i>	Dried whole plant	Vinblastin (Indole alkaloid)	<ul style="list-style-type: none"><li>• Used as a antineoplastic or antitumor drug.</li><li>• Used in treatment of certain kind of cancer including Hodgkin's lymphoma, lung cancer, breast cancer, testicular cancer etc.</li></ul>
<i>Holarrhena antidysenterica</i>	Seeds and bark, mainly dried bark.	Conessine (Steroid alkaloid)	<ul style="list-style-type: none"><li>• It has antidyseric, antidiarrheal, and anti-amoebic properties.</li><li>• It is used for the treatment of amoebic dysentery, diarrhoea, irritable bowel syndrome, bleeding piles, and liver disorders.</li></ul>

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<i>Aloe vera</i>	Dried Juice of leaf (Transversely cut)	Aloe (Glycoside)	<ul style="list-style-type: none"><li>• Wound Healing Properties: Aloe have remarkable wound healing properties due to its active constituents.</li><li>• Anti-inflammatory Action: Aloe inhibits the cyclooxygenase pathway and reduces prostaglandin E<sub>2</sub> production from arachidonic acid thereby acting as anti-inflammatory agent.</li><li>• Antibacterial Activity: Aloe is found to be bactericidal against <i>Pseudomonas aeruginosa</i> and several other bacteria.</li></ul>
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