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		(小藥科: Berberidaceae) <i>Epimedium koreanum</i> NAKAI., <i>Epimedium grandflorum</i> MORR.
가		(淫羊藿) - (莖) (葉) (淫羊藿根) - (根莖) (三枝九葉草), 仙靈脾 -
		淫羊藿(イニョカク) - , , 三枝九葉草(セヨウセイカリソウ) -
		barrenwort-
<神農本草經>		剛前, 仙靈脾, 放杖草, 千兩金, 黃連組, 三枝九葉草, , ,
		가
		(溫)
		: 30 40 cm : 가 : 가 : 根生葉 (葉柄) 1 2 (互生) 3 2 , 三枝九葉草 . 小葉 心臟底 5 13.5 cm, 1.5 7.2 cm, 가 : 總狀花序 卵狀披針形 8 가 2 4 同形 . 4 , 가 4 1 花柱 : (袋果) : 5 : 6
		15

2.

		歷代醫方
主 陰 痿, 地興陽之劑也	(陰痿症) 가 . 600 g	
治四肢不仁	가	
治筋骨攣急	가	
治虛勞冷氣	(虛勞) (冷症) (腎)	
	(風冷症) (虛勞) 가 , 가	

3.

3.1

8.63%, 1.21%, 40.59%, 5.20%, 13.03%, 가 30.99% icariin 0.94%, magnoflorine 0.16%	15
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3.2

<ul style="list-style-type: none"> ○ (莖 葉): flavonoid icariin icarisid (anhydroicaritin 3- O- - rhamnoside), quercetin , ceryl alcohol, hentriacontane, phytosterol, tannin, 油脂 (: palmitic acid, stearic acid, oleic acid, linoleic acid) ○ (): icariin, epimodoside A ikarisoside A n-alkane n-nonacosane, n-hentriacontane sterol canpesterol -sitosterol glycoside flavonoid 2''-O-rhamnosyl icarisid 	9, 10, 11
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	<ul style="list-style-type: none"> ○ Alkaloid: magnoflorine, lignin, phenyletanoid glycoside, ionone , sesquiterpene glycoside ○ Flavonoid: icariin(hypotensive effect), epimedeside A ○ Flavonoid glycosid: epimedin A, B, C, quercetin, anhydroicaritin-3-O-rhamnoside ○ Lectin: () 25 mM fructose 50 mM arabinose , N-acetyl-D-glucosamine, N-acetyl-D-galactosamine , 가 5 mM Ca²⁺, Ba²⁺, Mg²⁺ 	11, 15
	<p>virus (), (), , , , ,</p>	15

3.3

	<ul style="list-style-type: none"> ○ Icarisid (bahuoside): <i>In vitro</i> neutrophil chemotaxis, mitogen, mixed-lymphocyte culture, NK-cell cytotoxicity IL-2 가 dose-dependant anti-inflammatory immunosuppressive agent . <i>in vitro</i> 6 cancer cell line cytotoxic cytostatic effect가 IC₅₀ 2.8 7.5 µg/ml DNA RNA ○ Lectin: 47 Kd 58.2%, 41.8%, xylose, aspartic acid, phenylalanine 가 , propidium iodine mitogenic activity 	16, 21
	Icariin, prenylflavonoid glycosides ,	17, 24
	Flavonoid icariin, flavanol glycoside icarisode antihepatotoxic	1, 7

<p>○ BC-47 cell, polysaccharide chemotaxis 가 BC-47 cell P 815 cell</p> <p>○ 70% MeOH, icariin epomedin Kupffer cell</p> <p>○ Quercetin flavonoids가 mast cell Ca-uptake histamine immunoglobulin</p> <p>○ (MeOH EtOAc ; Fr.1, MeOH H₂O ; Fr.2, MeOH ; Fr.3), Fr.1, Arthus HA titer (가: Hemagglutination titer) 가 Fr. 2, WBC, Arthus HA titer, WBC 가 Fr.3, DTH(: Delayed-type hypersensitivity), RFC(rossete : Rosette Forming Cell), phagocytic activity WBC 가 Fr.1 2 가, Fr.3 가</p>	<p>8, 12</p>
<p>○ flavonoid glycoside icariin epimedioside A . 6 9 4 HPLC icariin, epimedioside A, icarisoside A 2"-O-rhamnosyl scarisoside A 2"-O-rhamnosyl icarisid flavonoids 6 7</p> <p>○ 가 75, lard corn oil 가 lard 가 66% 가 tocopherol flavonods , , -tochpherol 21.61, 148, 5.50 3.75 mg%</p>	<p>2 6, 9 11, 14, 15, 18, 20 22</p>

3.4

	<p>○ 2L 30g, 5g 15 .</p> <p>icariin, epidin,</p> <p>○ 가 , , ,</p>
	<p>○ 100g 40g</p> <p>○ 10</p> <p>陽 , 陰氣</p>
/	<p>icariin , epimedin</p> <p>가 , , .</p>
	1, 7, 10, 13

3.5

	tocopherol ,
	Flavonoid glycoside icariin, epimedioside A , tocopherol 가
	14

