

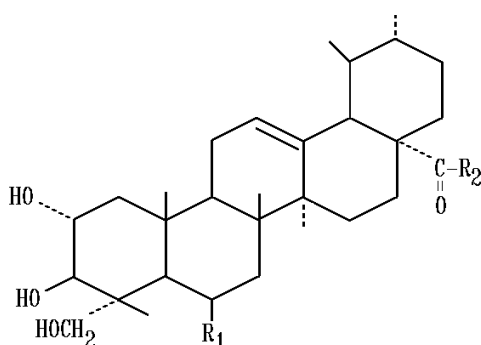


TECHNICAL DOCUMENTATION

Revision: 27.04.2009

CENTELLA ASIATICA PURIFIED TRITERPENES

NAME OF THE PLANT: Centella asiatica
PART OF THE PLANT USED: Leaves
RATIO OF PLANT : SELECTED TRITERPENES: Between 30 and 65:1
CHEMICAL DEFINITION: The purified extract contains Asiaticoside, Madecassic and Asiatic acids
SYNONYMS: Centella asiatica selected triterpenes
STRUCTURAL FORMULA:



R₁ = H ; R₂ = OH : Asiatic acid
 R₁ = OH ; R₂ = OH : Madecassic acid
 R₁ = H ; R₂ = glu-glu-rhamn: Asiaticoside

CAS N.: 84696-21-9

TECHNICAL DESCRIPTION:

APPEARANCE:	Creamy-white powder	ASSAY:	Asiaticoside : between 36.0 and 44.0 %
SOLUBILITY:	Soluble in pyridine, propylene glycol, ethanol. Insoluble in water	HPLC	genins : between 56.0 % and 64.0 %
IDENTIFICATION:	HPLC	MICROBIOLOGY:	Complies with EP
WATER CONTENT:	Not more than 5.0 %	STORAGE:	Sealed container and protected from light and moisture
SULPHATED ASH:	Not more than 1.0 %		
HEAVY METALS:	Not more than 20 ppm		

PRODUCT APPLICATIONS: Various recognised dermatological applications including the treatment of skin inflammation and venous insufficiency, localised inflammation and infection and post surgery scar reduction. Centella Asiatica purified triterpenes may also affect various stages of tissue development including keratinisation (the process of replacing skin after sores or ulcers) and stimulate the formation of lipids and proteins necessary for healthy skin. The triterpenes of Centella Asiatica are also reported to be capable of fixing alanine and proline into the structure of collagen, and so help promote healing in the treatment of epithelial ulcers, bedsores and skin disorders.

COSMETIC APPLICATIONS include the formation of lipids & proteins for healthy skin, anti cellulites, anti-wrinkle (eyes & facial), skin tightening properties, skin regenerative, treatment of acne induced blemishes, rapid renewal of supporting fibre network, stimulates collagen synthesis and to boost immune-depressed skin.

THERAPEUTIC CATEGORIES: Dermatologic, vasoprotective, post-operative scarring.

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