

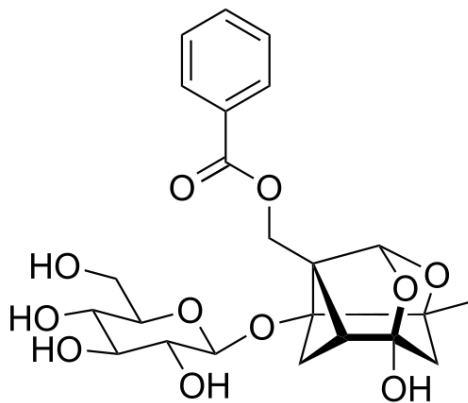
Peony root extract Paeonia Lactiflora Extract

Properties and application

The extract will be made of the root of peony by extraction with water and alcohol.

The plant is growing in China in the Guangxi Province.

The active substance is Paeoniflorin.



The fine powder is coloured brown to grey and not soluble in water, but good soluble in ethanol. The content of paeoniflorin is 50% min. In the TCM the extract is used as a dietary supplement. It stimulates the blood circulation and lowers the blood pressure. It also has a function as anti-inflammatory as well as anti cancer activity.

In cosmetics it could be demonstrated a significant function as bleaching agent for the skin (whitening of skin).

Emphasizing however, the property is to protect the skin from UV radiation. Skin cells could also be repaired after strong irradiation by adding of Paeoniflorin.

Due the chemical structure (benzoic acid – ligand) we expect an antimicrobial effect analog to benzoic acid and p-anisic acid.