

Vasodilatation Effect of Complex Saponin Separated from *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* Mixture Extract

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The purpose of this study is to investigate vasodilatation effect of complex saponin separated from *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* mixture extract on rabbit carotid artery. In this study, to determine vasodilatation effect of complex saponin separated from *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* mixture extract on rabbit carotid artery, arterial rings with intact or damaged endothelium were used for experiment using organ bath, and were contracted by endothelin. complex saponin, major active constituents of *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* mixture extract, showed a moderate vasodilatation effect on the basilar arteries of rabbits. Therefore, treatment with complex saponin separated from *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* mixture extract may selectively accelerate cerebral blood flow through dilatation of the basilar artery. Theseis result suggest a potential role of complex saponin separated from *Scrophulariae radix*, *Asparagus cochinchinensis* and *Liriope platyphylla* mixture extract as source of vasodilatation agent.

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