

# Anti-atherosclerosis activity of meranzin hydrate in the medicine: Therapeutic benefit through scientific data analysis

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## Background:

Phytochemicals are pure chemicals derived from different natural sources which have been studied mainly because of their biological potential and therapeutic benefit. Coumarins class phytochemicals are oxygenated heterocycles belonging to the benzopyrone family which have been studied in the scientific field to know their effectiveness on human health.

**Methods:** Biological potential of meranzin hydrate in the medicine has been investigated in the present work through scientific data analysis of various scientific research works. Anti-atherosclerosis activity of meranzin hydrate in the medicine has been investigated in the scientific field through literature data analysis of different scientific research works. Biological potential of meranzin hydrate in the medicine has been investigated for their effectiveness against atherosclerosis in the present work.

**Results:** Scientific research data analysis of different research work revealed the anti-atherosclerosis activity of meranzin hydrate in the medicine as it reduced atherosclerotic plaque areas, plasma triglycerides, total cholesterol and LDL-cholesterol levels in the scientific research work. Literature data analysis of various scientific research works revealed the anti-atherosclerosis activity of meranzin hydrate in the medicine. Further other scientific research work also revealed the therapeutic effectiveness of meranzin hydrate against atherosclerosis.

**References:** Li L; Yu A-L; Wang Z-L; Chen K; Zheng W; Zhou J-J; et al. Chaihu-Shugan-San and absorbed meranzin hydrate induce anti-atherosclerosis and behavioral improvements in high-fat diet ApoE<sup>-/-</sup> mice via anti-inflammatory and BDNF-TrkB pathway. *Biomed Pharmacother*, 2019, 115, 108893.

**Conclusion:** Literature data analysis revealed the anti-atherosclerosis activity of meranzin hydrate in the medicine.

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