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**Therapeutic importance of eriodictyol in the medicine for the treatment of diabetes and associated complication through its insulin secretagogue properties**

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**Abstract**

**Background:** In the herbal medicine numerous medicinal agents has been used for the treatment of diabetes and its associated complication. Phytoconstituents play an important role in the medicine for the treatment of diabetes and associated complication. Eriodictyol is a flavonoidal class phytochemical found to be present in the *Lyonia ovalifolia*. **Methods:** Biological potential of eriodictyol has been investigated in the present work through literature data analysis of various research works. Detailed pharmacological activities of eriodictyol have been investigated through literature data analysis of various in vitro and in vivo scientific research works from various databases. Biological potential has been further co-related with other pharmacological activities in order to know their health benefit and molecular mechanism in diabetes and associated complications. **Results:** Literature data analysis revealed the biological importance of eriodictyol in the medicine. Pharmacological work scientific data analysis revealed the therapeutic importance of in the medicine as it was found to have the insulin secretagogue properties in the medicine. Literature data analysis revealed that eriodictyol can stimulate insulin secretion from mice islets and MIN6 cells. **Conclusion:** Literature data analysis revealed the therapeutic importance of eriodictyol in the medicine for the treatment of diabetes and associated complication through its insulin secretagogue properties.

**Keywords:** Therapeutic, Eriodictyol, Medicine, Diabetes, insulin secretagogue, Pharmacological

**Funding and Conflicts of Interest**

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