

Solanum trilobatum in the management of atopy: Through inhibition of mast cell degranulation and moderation of release of interleukins

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ABSTRACT

Solanum trilobatum is a widely used plant in the Indian indigenous systems of medicine. It is mainly used in the treatment of respiratory diseases like bronchial asthma. In our present study, we report that the aqueous and alcoholic extracts of *S. trilobatum* exhibited inhibition of mast cell degranulation. Further, aqueous and alcoholic extracts of *S. trilobatum* significantly decreased the release of IL1a and increased the release of IL8 from the cultured keratinocytes. Oral administration of the aqueous and alcoholic extracts of *S. trilobatum* stabilized mast cells in experimental rats.

KEYWORDS

Histamine . immunomodulation . interleukin . mast cell . medicinal plants . Solanum trilobatum

REFERENCES

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