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(57) Abstract :

ABSTRACT Asthma is a complex disease defined as reversible airway narrowing followed by acute and chronic airway inflammation, airway hyper responsiveness and airway tissue remodeling. Asthma is an inflammatory condition of the airways characterized by the shedding of airway epithelium, sub-basement membrane fibrosis, airway smooth muscle hypertrophy, excessive secretion of mucus, and multicellular inflammation involving activated mast cells, eosinophils, neutrophils, macrophages, basophils, and lymphocytes. Airway inflammation is one of the important factors in pathologic progress of asthma, and is current target of treatment for suppressing asthma. With respect to previous published data and the phytochemical studies of MtBP, HPTLC analysis of fraction carried out. The results indicated the most prominent band Rf value data matching with Apigenin-7- o-glucoside. Hence it was taken for further structural elucidation. IR, LC-MS & NMR studies have revealed that Apigenin-7- o-glucoside, is most prominent phytochemical (flavone) which may be responsible for the observed actions.

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