



Phytochemical and Biological Investigations of Thunbergia Grandiflora

By Aszadur Rahman Chowdhury

LAP Lambert Academic Publishing. Paperback. Book Condition: New. Paperback. 112 pages. Dimensions: 8.7in. x 5.9in. x 0.3in. Thunbergia grandiflora (Acanthaceae) has been investigated for isolation of its secondary metabolites and evaluation of biological activities of the crude extract. One compound had been isolated, which was identified by extensive analyses of resolution NMR spectral data. The powdered leaf of *T. grandiflora* was extracted separately with methanol. The solid extract was then subjected to vacuum liquid chromatography (VLC). Repeated chromatographic separation and purification the leaves of Thunbergia grandiflora afforded one flavonoid named 5 hydroxy-4, 6, 7- trimethoxy flavone, C₁₈H₁₆O₆. The Methanolic crude extract of Thunbergia grandiflora showed moderate analgesic activity. Out of all the samples only chloroform fraction methanolic crude extract were appeared mild potent in terms of both zone of inhibition and spectrum of activity against some gram positive, gram negative bacteria and fungi. In anti-diarrhoeal test and brine shrimp lethality bioassay, hexane, carbon tetrachloride, chloroform and aqueous fractions exhibited insignificant activities whereas Carbon tetra chloride fraction showed some hypoglycemic effect at a dose of 300 mg/kg body weight compared to control group. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Paperback.



READ ONLINE
[8.49 MB]

Reviews

Extensive guideline! Its this sort of very good go through. I have got read and i am confident that i will gonna read through once more once more in the future. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Joana Champlin**

A brand new electronic book with a new standpoint. It is written in basic phrases rather than confusing. Its been designed in an extremely basic way which is merely right after i finished reading through this publication where basically altered me, change the way i believe.

-- **Kitty Crooks**