



PharmTech

International Journal of PharmTech Research

CODEN (USA): IJPRIF, ISSN: 0974-4304
Vol.8, No.10, pp 47-50, 2015

Qualitative Phytoconstituent Profile of *Lobelia trigona Roxb* Extracts.

Rex Jeya Rajkumar S.¹, Sreeraj Kuruppilakathmanikandan²,
Muthukumar Nadar M.S.A.^{1*}

^{1,2} Department of Biotechnology, Karunya University, Coimbatore-64114
Tamil Nadu, India

Abstract: This is the first study to investigate the phytochemical constituents present in *Lobelia trigona Roxb*. The whole plant (*Lobelia trigona Roxb*) was used to extract phytochemicals using various solvents (ethanol, methanol, chloroform, petroleum ether, acetone and water) and the total yield of extracts were calculated and expressed as percentage dry weight. In our analysis ethanolic extract of *Lobelia trigona Roxb* was found to have almost all the major bioactive compounds that could have potential therapeutic properties when compared to the other solvents used. This study provides new information on the phytochemical profile of major bio active secondary metabolites (polyphenols, alkaloids, tannins, flavonoids, terpenoids and saponins) of *Lobelia trigona Roxb* whole plant extracts.

Keywords: *Lobelia trigona Roxb*, Phytochemicals, Polyphenols, Flavonoids, Alkaloids.

Muthukumar Nadar M.S.A *et al* /Int.J. PharmTech Res. 2015,8(10),pp 47-50.
