

3rd International Conference and Exhibition on

Pharmacognosy, Phytochemistry & Natural Products

October 26-28, 2015 Hyderabad, India

Extraction and elemental analysis of *Coleus forskohlii* extract

Bushra Khan

Sarojini Naidu Vanitha Pharmacy, India

Coleus forskohlii Wild is a popular traditional medicine used since ancient times for treatment of heart diseases, abdominal colic and respiratory disorders. The aim of this study was to characterize the root extract of the medicinal plant *Coleus forskohlii*. Dry roots of *C. forskohlii* were used to extract Forskohlii using toluene as a solvent. Thus, obtained extract of *C. forskohlii* was standardized to 30% and used for further studies. The physical properties of the extract were analyzed through scanning electron microscopy analysis, while the characterization of root extract through X-ray diffraction (XRD) and element analysis. The morphological feature of the *C. forskohlii* extract showed a flake like structure and the XRD showed sulfur trioxide and trimer of sulfur trioxide. Through element analysis, elements such as carbon, oxygen, magnesium, aluminum, silicon, phosphorous, and sulfur were identified. Carbon showed the highest weight of 75.49% in comparison to all other elements; *Coleus forskohlii*, element analysis, physical properties, scanning electron microscope and X-Ray diffraction.

bushrahkhan24@yahoo.com

Notes: