

Mini-review of Phytochemistry for *Polyalthia longifolia*

ABSTRACT

The review was aimed to review the phytochemical of the *Polyalthia longifolia*. Phytochemical screening for all parts of *Polyalthia longifolia* have been done and shown most of the chemical group compounds such as glycosides, Sterol, Carbohydrates, terpenoids, flavonoids. 174 compounds have been isolated from five parts (leaves, stem bark, seeds, fruits, root) of *Polyalthia longifolia*, these compounds have been drawn their structure. Leaves of *Polyalthia longifolia* were extracted and isolated 99 compounds most of these compounds were terpenoids, 59 compounds were isolated from the stem bark belong to different chemical groups such as Terpenoids, Alkaloids, Phenol, Fatty acids, and Steroids, 16 compounds were isolated from the fruit from several chemicals groups, 11 compounds were isolated from the root, 7 compounds were isolated from the seeds which belong to different chemical groups which are Terpenoids, Fatty Acids, and Carbohydrate. Many of these compound have been used in medical filed in many applications due to their activities which make this plant very important in medicine filed. Root of *Polyalthia longifolia* only three articles about it. Also seeds of *Polyalthia longifolia* have not been studied yet its phytochemical screening. The compounds have been drawn with chemdraw application, and with PubChem.