

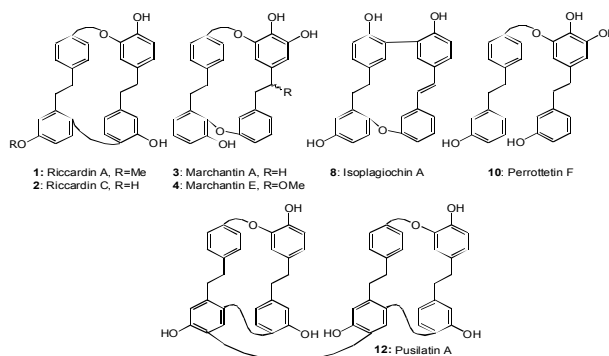
Potential Source of Medicinal Compounds from Liverworts: Bibenzyls and Bis(bibenzyls)

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Liverworts produce a number of new skeletal terpenoids and aromatic compounds of which bibenzyls and bis(bibenzyls) are characteristic chemical markers of liverworts. Some of these compounds, riccardin A (**1**), riccardin C (**2**), marchantins A (**3**), B (**4**), C (**5**), E (**6**), H (**7**), isoplagiochin A (**8**), isoplagiochin B, (**9**) perrottetin F (**10**), isoplagiochin C (**11**), and bis(bibenzyl) dimers, pusilatins A-D (**12-15**) and show various biological activity such as anti-microbial, anti-fungal, antioxidant, anti-influenza, anti-obesity, anti-HIV, muscle relaxing, cytotoxicity, plant grow regulatory, liver Z-receptor agonist activity, and nitric oxide production, DNA polymerase, α -glucosidase and tublin polymerization inhibitory activity.

The present paper concerns with the isolation, structure elucidation and biological activity of bibenzyls and bis(bibenzyls) found in the *Marchanita*, *Reboulia*, *Plagiochila* and *Plagiochasma* species.



Keywords: Liverworts, bibenzyls, bis(bibenzyls), antiinfluenza, antimicrobial, tublin polymerization inhibitory.