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Stereospermum fimbriatum as a potential source of phytochemicals: A review of Stereospermum genus (Review)

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Abstract

Stereospermum fimbriatum is one of the medicinal plants that has been claimed to be used traditionally to treat several illnesses such as stomachache, earache, skin irritation and postpartum illness. The genus of this plant is known to possess medicinal properties in every part of the plant. Therapeutic potential of S. fimbriatum is anticipated based on numerous previous studies that documented variety of phytochemical contents and bioactivity of the genus. The most reported bioactivities of its genus are antimicrobial, antioxidant, anti-diabetic, anti-inflammatory, anti-diarrheal and analgesic activities. S. fimbriatum is a rare species that has not been discovered yet. Thus, this review aims at highlighting the potentials of S. fimbriatum by collecting available data on the bioactivities of its genus and set the directions for future research on this plant.

Author keywords

Bioactive compound; Bioactivity; Extract; Natural product; Phytochemical; Stereospermum fimbriatum

Indexed keywords

EMTREE drug terms: flavonoid; plant extract; plant medicinal product; saponin; Stereospermum fimbriatum extract; tannin; unclassified drug

EMTREE medical terms: ABTS radical scavenging assay; analgesic activity; antidiabetic activity; antidiarrheal activity; antiinflammatory activity; antimicrobial activity; antioxidant activity; biological activity; DPPH radical scavenging assay; drug potentiation; extraction; genus; high performance liquid chromatography; lipid peroxidation assay; minimum inhibitory concentration; nonhuman; phytochemistry; plant; Review; Stereospermum; Stereospermum fimbriatum

Chemicals and CAS Registry Numbers: saponin, 8047-15-2; tannin, 1401-55-4

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