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(54) Title: NOVEL β -GLUCANS ISOLATED FROM HIGHER BASIDIOMYCETES MUSHROOM *GANODERMA TSUGAE* VAR. *JANNIEAE*

(57) Abstract: Novel highly soluble in water β -glucan is provided that can be obtained from the fruiting bodies or the submerged cultivated mycelium biomass of the higher Basidiomycetes medicinal mushroom *Ganoderma tsugae* var. *jannieae* strain Tay-1. Also provided are compositions comprising the β -glucan for use as nutraceuticals, dietary supplements, cosmetic products, and in therapy.



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