

Supplementary Data

Table S1. Preliminary phytochemical analysis of *G.latifolia* fruit extracts.

Solvent extracts	Phytochemicals					
	Alkaloids	Phenols	Flavonoids	Saponins	Glycosides	Terpenoids
Hexane	-	-	-	-	-	-
Chloroform	-	+	+	-	-	-
Ethyl acetate	-	+	+	-	+	+
Methanol	+	++	+	+	+	+++

"+" indicates the presence of constituents "-" indicates the absence of constituents

Table S2. FTIR spectral peak values and functional groups of the methanolic fruit extract of *G.latifolia*

Peak Values (cm ⁻¹)	Functional Groups
3274	OH stretching
2923	aromatic CH stretching
2857	aromatic CH stretching
1710	C=O stretching
1605	C=C stretching
1517	C=C stretching
1442	C=C stretching
1249	C-O stretching vibration
1037	C-O-C stretching vibration