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Chemical, biological and molecular modelling analyses to probe into the pharmacological potential of *Antidesma madagascariense* Lam.: A multifunctional agent for developing novel therapeutic formulations

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Highlights

- Chemical, biological and molecular modelling of two extracts of *Antidesma madagascariense* were studied.
- Antioxidant, antiglycation, antioxidant and cytotoxicity were assessed.
- LC-ESI-MS/MS was used to detect phenolic composition in the tested extracts.
- Biological activity assays revealed that the extracts had remarkable potential.
- The results suggested that the plant could be regarded as a source of potential bioactive agents.

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