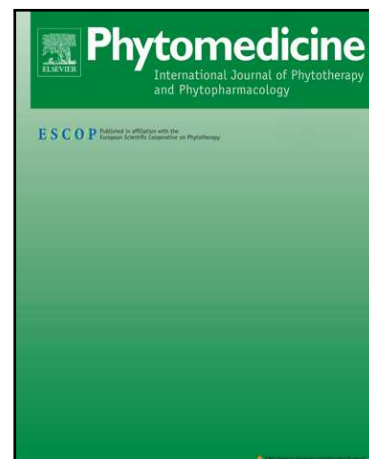


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β -N-oxalyl-L- α,β -diaminopropionic acid induces wound healing by stabilizing HIF-1 α and modulating associated protein expression

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ABSTRACT

Background: β -N-oxalyl-L- α,β -diaminopropionic acid (L-ODAP) is a non-protein amino acid with haemostatic property present in *Lathyrus sativus*. It is considered to be the causative agent of neurolathyrism that occurs upon prolonged overconsumption of *Lathyrus sativus* seeds. L-ODAP is used as a haemostatic drug in surgical dressings. We previously reported that it can stabilize hypoxia inducible factor (HIF)-1 α in normoxic conditions.

Hypothesis: We hypothesised that L-ODAP might affect wound healing by modulating cellular proliferation, migration and angiogenesis via HIF-1 α stabilization.

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