**Supplementary data**

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**Supplementary Fig. 1.**  Showing nuclear magnetic resonance (NMR) spectrometry of levodopa (L-DOPA) detected in the crude extract of T-MP, demonstrated by1H-NMR (A), 13C-NMR (B), 1H-13C HSQC-NMR (C), and 1H-1H COSY-NMR (D), respectively.

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**Supplementary Fig. 2** A peak of (A) purified standard levodopa (L-DOPA) and found in (B) T-MP seed extract revealed by high-performance liquid chromatography (HPLC). L-DOPA: Levodopa T-MP: Thai *Mucuna pruriens*.