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# Anticoagulant activity of crude extract of *Holotrichia diomphalia* larvae

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## Abstract

### Ethnopharmacological relevance

*Holotrichia diomphalia* larvae are one classical folk medicinal material in East Asia which has clinically been used to promote blood circulation and dispel blood stasis for several hundred years.

### Aim of the study

The anticoagulant activity of crude extract of *H. diomphalia* larvae (CEHDL) *in vitro* and *in vivo* was evaluated to explore its mechanism as antithrombotic medicine.

### Materials and methods

The effects of CEHDL on plasma recalcification time, platelet aggregation, bleeding time, hydrolysis of fibrinogen and fibrin were measured with normal human plasma, plasma-rich platelet, transected mouse tails and bovine fibrinogen; the anti-thrombosis activities of CEHDL *in vitro* and *in vivo* were analyzed with clots lysis assay and carrageenan-induced mouse tail thrombosis model.

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