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Bioassay-guided isolation of active substances from *Semen Torreyae* identifies two new anthelmintic compounds with novel mechanism of action

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Abstract:

Ethnopharmacological relevance:

Semen Torreyae, the seeds of *Torreya grandis* Fortune ex Lindley (Cephalotaxaceae) is a well-known traditional Chinese medicinal plant recorded in the Chinese Pharmacopeia (2010 version). It is widely used for treating intestinal parasites in China, owing to its desirable efficacy and safety. However, the anthelmintic compounds in *Semen Torreyae* have not yet been identified.

Aim of the study:

This study aims to identify the compounds active against helminths from *Semen Torreyae*. In addition, we tested whether *C. elegans* strains resistant to currently-used

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