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Subject: norgalanthamine für ratten

Posted by [kkoo](#) on Wed, 06 Jan 2010 19:44:48 GMT

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Eur J Dermatol. 2009 Oct 12. [Epub ahead of print]

Promotion effect of norgalanthamine, a component of *Crinum asiaticum*, on hair growth.

Kim SC, Kang JI, Kim MK, Hyun JH, Boo HJ, Park DB, Lee YJ, Yoo ES, Kim YH, Kim YH, Kang HK.

This study was conducted to evaluate the effect of *Crinum asiaticum*, a plant native to Jeju Island, Korea, on the promotion of hair growth. When rat vibrissa follicles were treated with a 95% ethanol (EtOH) extract of *C. asiaticum*, the hair-fiber lengths of the vibrissa follicles increased significantly. In addition, after daily topical application of the EtOH extract of *C. asiaticum* onto the back of C57BL/6 mice, anagen progression of the hair shaft was induced. Moreover, the extract increased the proliferation of immortalized vibrissa dermal papilla cells. When the vibrissa follicles in the anagen phase were treated with the extract, immunohistochemical analysis revealed that the extract was found to increase the expression of proliferating cell nuclear antigen (PCNA) in the bulb region of the 7-day cultured follicles. In particular, norgalanthamine, a principal of the extract, showed activity that increased the hair-fiber lengths of vibrissa follicles and the proliferation of dermal papilla cells. These results suggest that norgalanthamine, a principal of *C. asiaticum*, has the potential to promote hair growth via the proliferation of dermal papilla.

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