

---

Subject: Erica multiflora

Posted by [kkoo](#) on Tue, 10 Mar 2009 12:25:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Nat Med (Tokyo). 2009 Mar 10. [Epub ahead of print]

Hair growth regulation by the extract of aromatic plant Erica multiflora.

Kawano M, Han J, Kchouk ME, Isoda H.

Alliance for Research on North Africa (ARENA), Graduate School of Life and Environmental Sciences, University of Tsukuba, 1-1-1 Tennodai, Tsukuba, Ibaraki, 305-8572, Japan.

Hair growth problems can affect human physical and mental health and are of particular relevance during the aging process. In an effort to resolve such problems, we attempted to find plants having hair growth regulation activity and thus collected plant extracts from Tunisia for bioprospecting purposes. Among them, we investigated the Erica multiflora extract to evaluate the hair growth promotion activity by using the MTT (3-(4,5-dimethyl-2-thiazolyl)-2,5-diphenyl-2H-tetrazolium bromide) assay and cell cycle assay on human dermal papilla cells in vitro and an administration assay on mouse dorsal skin in vivo. The results showed that the Erica multiflora extract promotes dermal papilla cell growth and cell cycle with high activity, and induced hair growth in vivo by induction of anagen phase from telogen phase.

---