

天然物質のキラリティー： ヒヨスチアミンとスコポラミン

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Chirality of Natural Products: Hyoscyamine and Scopolamine

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ABSTRACT: Monthly changes of content-ratio between *S*-(-)- and *R*-(+)-hyoscyamine as well as those between *S*-(-)- and *R*-(+)-scopolamine in the leaves of *Datura metel* L. cultivated in the field, were quantitatively analyzed by the use of HPLC with a chiral absorbent, and from the analysis of ¹H-NMR under various conditions, the factor was clarified on the difference property of the chirality of hyoscyamine and scopolamine.

抄録 チョウセンアサガオ (*Datura metel*) 葉中のヒヨスチアミンとスコポラミン含量及び光学純度の季節変動を明らかにするとともに、各種¹H-NMRの解析から、ヒヨスチアミンとスコポラミンのキラリティーの性質の違いに関して、その要因を明らかにした。

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