

Title	Stereospecific incorporation of hydrogen from NADPH in hydrogenation of (-)-dehydrogriseofulvin to (+)-griseofulvin by a partially purified enzyme system of streptomyces cinereocrocatus
Sub Title	
Author	小田, 泰子(Oda, Taiko) 佐藤, 良博(Sato, Yoshihiro)
Publisher	共立薬科大学
Publication year	1987
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.32 (1987.) ,p.63- 63
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000032-0063

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

**Stereospecific Incorporation of Hydrogen from NADPH in Hydrogenation
of (-)-Dehydrogriseofulvin to (+)-Griseofulvin by a Partially Purified
Enzyme System of *Streptomyces cinereocrocatus****

Taiko ODA and Yoshihiro SATO

小田泰子, 佐藤良博

The stereochemistry of NADPH-dependent hydrogenation was investigated by the conversion of (-)-dehydrogriseofulvin (**1**) to (+)-griseofulvin (**2a**) under the conditions in which a partially purified enzyme system of *Streptomyces cinereocrocatus* contained (4R)- or (4S)-[4-²H₁]NADPH. The results indicated that the origin of 6'α-hydrogen of **2a** is a hydride ion donated by pro-4R-hydrogen of NADPH, as investigated by 270 MHz ¹H-NMR.

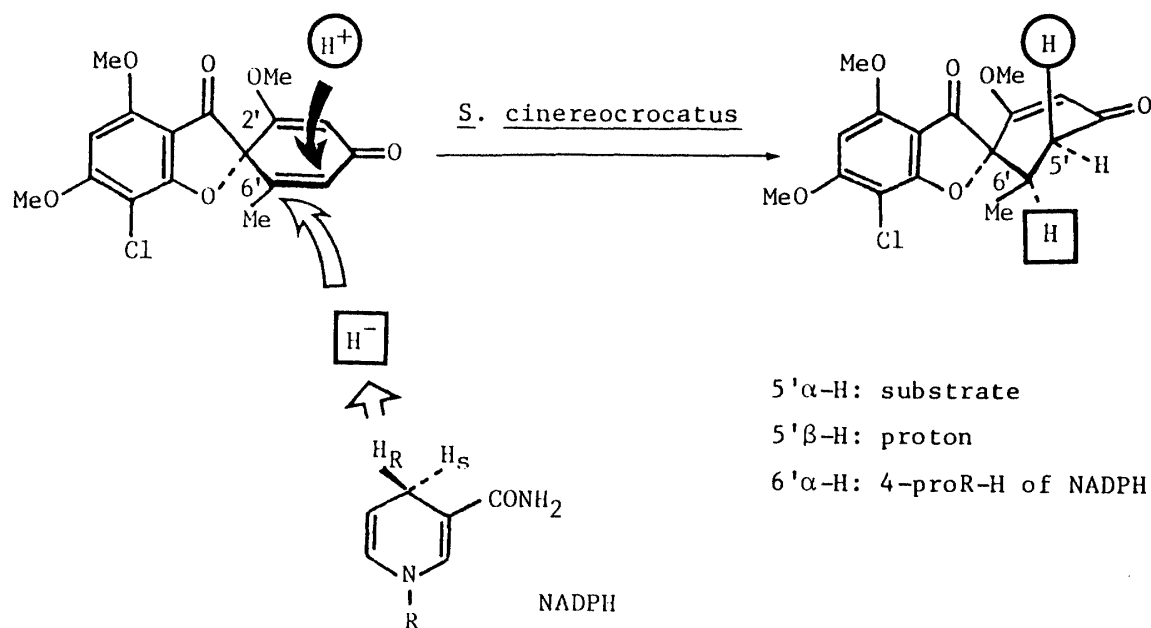


Chart 1.

* 本報告は *Chem. Pharm. Bull.*, 34, 4635—4640 (1986) に発表.