

Title	Stereoselective reduction of β,δ -diketo esters derived from tartalic acid. a facile route to optically active 6-oxo-3, 5-syn-isopropylidenedioxyhexanoate, a versatile synthetic intermediate of artificial HMG Co-A reductase inhibitors
Sub Title	
Author	南, 達哉(Minami, Tatsuya) 高橋, 恭子(Takahashi, Kyoko) 檜山, 爲次郎(Hiyama, Tamejiro)
Publisher	共立薬科大学
Publication year	1993
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.38 (1993.) ,p.66- 66
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000038-0066

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.

Stereoselective Reduction of β,δ -Diketo Esters Derived From Tartalic Acid. A Facile Route to Optically Active 6-oxo-3,5-*syn*-isopropylidenedioxy hexanoate, A Versatile Synthetic Intermediate of Artificial HMG Co-A Reductase Inhibitors

Tatsuya MINAMI**, Kyoko TAKAHASHI and Tamejiro HIYAMA***

南 達哉**, 高橋恭子, 檜山爲次郎***

Reduction of β,δ -diketo esters derived from tartaric acid with $\text{HAl}(i\text{-Bu})_2$ gave stereoselectively β -hydroxy- δ -keto esters which were reduced with NaBH_4 and Et_2BOMe to β,δ -*syn*-dihydroxy esters. This strategy was successfully applied to the synthesis of *t*-butyl (3*R*, 5*S*)-6-oxo-3,5-isopropylidenedioxyhexanoate from D-tartarate.

* 本報告は *Tetrahedron Lett.*, **34**, 513—516, (1993) に発表。

** 金沢大学・薬学部

*** 東京工業大学・資源化学研究所