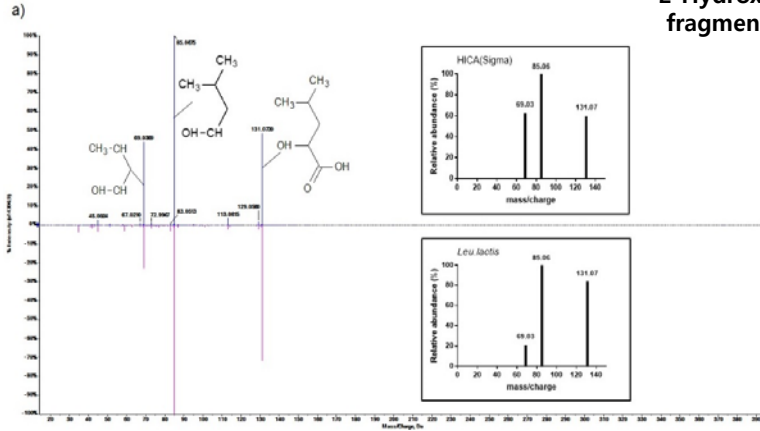


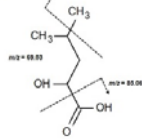
HICA 생성능이 우수한 김치미생물 *Leuconostoc mesenteroides* WiKim 19 , *Leuconostoc lactis* WiKim 48

기능성 대사산물 2- Hydroxyisocaproic acid 탐색

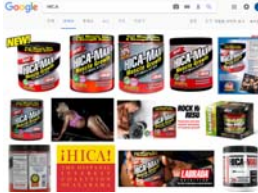
기능성 소재 2-Hydroxyisocaproic acid (HICA) 탐색



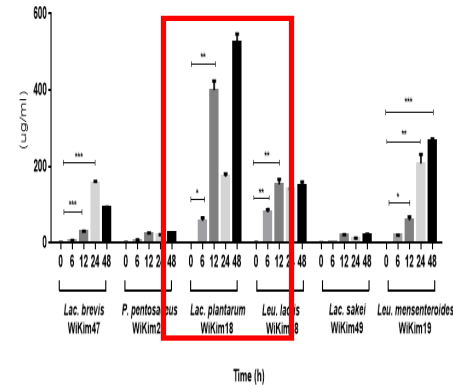
2-Hydroxyisocaproic acid fragmentation pattern



HICA on google search



김치미생물 종류에 따른 HICA 생성능 비교



HICA의 항균활성 및 근육성장 관련 자료

RESEARCH ARTICLE

Open Access

Effects of alfa-hydroxy-isocaproic acid on body composition, DOMS and performance in athletes

Antti A Mero^{1*}, Tuomo Ojala¹, Juha J Hulmi¹, Risto Puurtinen¹, Tuomo AM Karila^{2,3}, Timo Seppälä⁴



2-hydroxyisocaproic acid is fungicidal for *Candida* and *Aspergillus* species

M. Sakko,^{1,2,3} C. Moore,^{4,5} L. Novak-Frazer,⁴ V. Rautemaa,⁴ T. Sorsa,^{3,6} P. Hietala,⁷ A. Järvinen,⁸ P. Bowyer,⁴ L. Tjäderhane^{2,9,10} and R. Rautemaa^{3,4,5,6}



DL-2-Hydroxyisocaproic Acid Attenuates Inflammatory Responses in a Murine *Candida albicans* Biofilm Model

M. T. Nieminen,^{1,2,3} M. Hernandez,⁴ L. Novak-Frazer,⁴ H. Kuula,⁵ G. Ramage,⁶ P. Bowyer,⁴ P. Warn,⁷ T. Sorsa,^{8,9} R. Rautemaa¹

International Journal of Antimicrobial Agents 39 (2012) 539–547

Contents lists available at ScienceDirect

International Journal of Antimicrobial Agents

journal homepage: <http://www.elsevier.com/locate/ijantimicag>

Letters to the Editor

2-Hydroxyisocaproic acid (HICA): a new potential topical antibacterial agent

bacteria and at 0, 48 and 72 h for anaerobically grown bacteria. Concentrations of HICA that inhibited 50% and 90% of the growth (IC₅₀ and IC₉₀, respectively) were determined at 24 h for aerobic bacteria and at 48 h for anaerobic bacteria. The minimum bactericidal

1. 2-Hydroxyisocaproic acid 생성능이 우수한 류코노스톡 메센테로니드 WIKIM18 및 이를 포함하는 조성물 (등록번호 : 10-1860300호)

2. 2-Hydroxyisocaproic acid 생성능이 우수한 류코노스톡 락티스 WIKIM48 및 이를 포함하는 조성물 (등록번호 : 10-1757785호)

3. Identification of 2- Hydroxyisocaproic acid production in lactic acid bacteria and evaluation of microbial dynamics during kimchi ripening, Scientific Reports