

Lactobacillus plantarum P .



Lactobacillus plantarum SN13T
Mentha arvensis Linné var. *piperascens* Malinvaud

Dihydrocaffeic acid DHCA
RAW264.7 (lipopolysaccharide : LPS)

1

plantarum SN13T DHCA *Lactobacillus*
hydroxycinnamate reductases cinnamoyl ester hydrolase

LPS SN13T
RAW264.7

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1,200

genus species

Lactobacillus plantarum SN13T 5

LPS RAW264.7

0.5 1

IL-1 β , IL-6, TNF- α

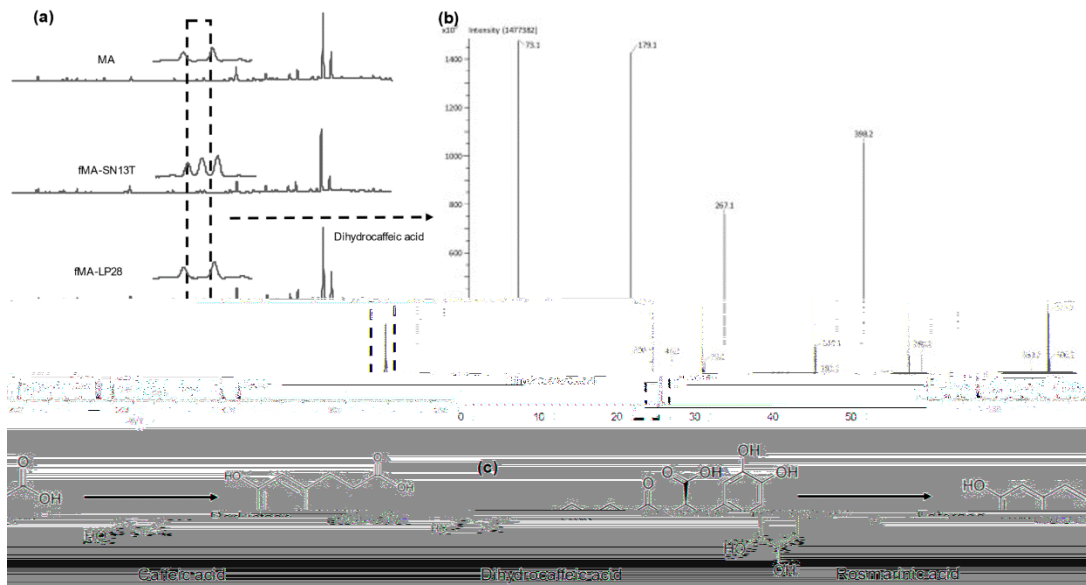
Lactobacillus plantarum SN13T

Dihydrocaffeic acid DHCA

DHCA

SN13T

cinnamoyl ester hydrolase hydroxycinnamate reductases



. *Lactobacillus plantarum* P .

AE

MA: ; fMA+SN13T: *Lactobacillus plantarum* SN13T ; fMA+LP28: *Pediococcus pentosaceus* LP28

Role of Phenolic Acid Metabolism in Enhancing Bioactivity of Mentha Extract Fermented with Plant-Derived *Lactobacillus plantarum* SN13T

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