

Macrophages

• Study the Metastatic Mechanism of Breast Carcinoma Promoted by Activated Macrophages in vitro and in vivo

• PC9508-1676

• NSC95-2320-B038-029-MY2

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(metastasis) (macrophages)

EGF family, IL-8, TNF- α

LPS (lipopolysaccharide) LTA (lipoteic acid) Gram negative

iNOS, COX-2, adhesion molecules, cytokines

MMP-9 (not MMP-2) (;

Gram positive

C012) MCF-7 LPS LTA RAW264.7 LPS LTA

MMPs

(invasion and migration) a. LPS LTA in vitro b. macrophage-breast cancer co-culture

GFP- c. co-culture in vivo mice

model LPS LTA a. imaging GFP

b. co-injection of activated macrophage and breast cancers c.

RT-PCR (flavonoids) in vitro and

in vivo

SAR (structure activity relationship)

a.

wogonin, quercetin,

baicalein, myricetin

LPS or LTA

b.

in vitro and in vivo

c.

SAR

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