Graphic Abstracts

Normal

EtOH administration

EtOH-induced gastric ulcer

Pretreatment of EF-2001

Heat-killed *Enterococcus faecalis-2001*

Possible mechanism

NF-κB phosphorylation ↑
COX-2 ↑
MAPK phosphorylation ↑
NO (Nitric oxide) ↑
TNF-α ↑
IL-1β ↑
IL-6 ↑

- Reduced gastric ulcer index
- Attenuated histological score
- Suppressed NF-κB and MAPKs activation