

Highlights

- ▶ Agerarin is a natural biologically active compound.
- ▶ Agerarin ameliorates DNCB-induced skin lesions in Balb/c mouse model.
- ▶ Agerarin restores filaggrin expression suppressed by the inflammatory cytokines.
- ▶ Agerarin inhibits the JAK kinases activated by the inflammatory cytokines.
- ▶ Agerarin can be used as a possible therapeutics against skin inflammation.