

Supplementary files

Article,

Anti-allergic effect of 3,4-dihydroxybenzaldehyde isolated from *Polysiphonia morrowii* in IgE/BSA-stimulated mast cells and a passive cutaneous anaphylaxis mouse model

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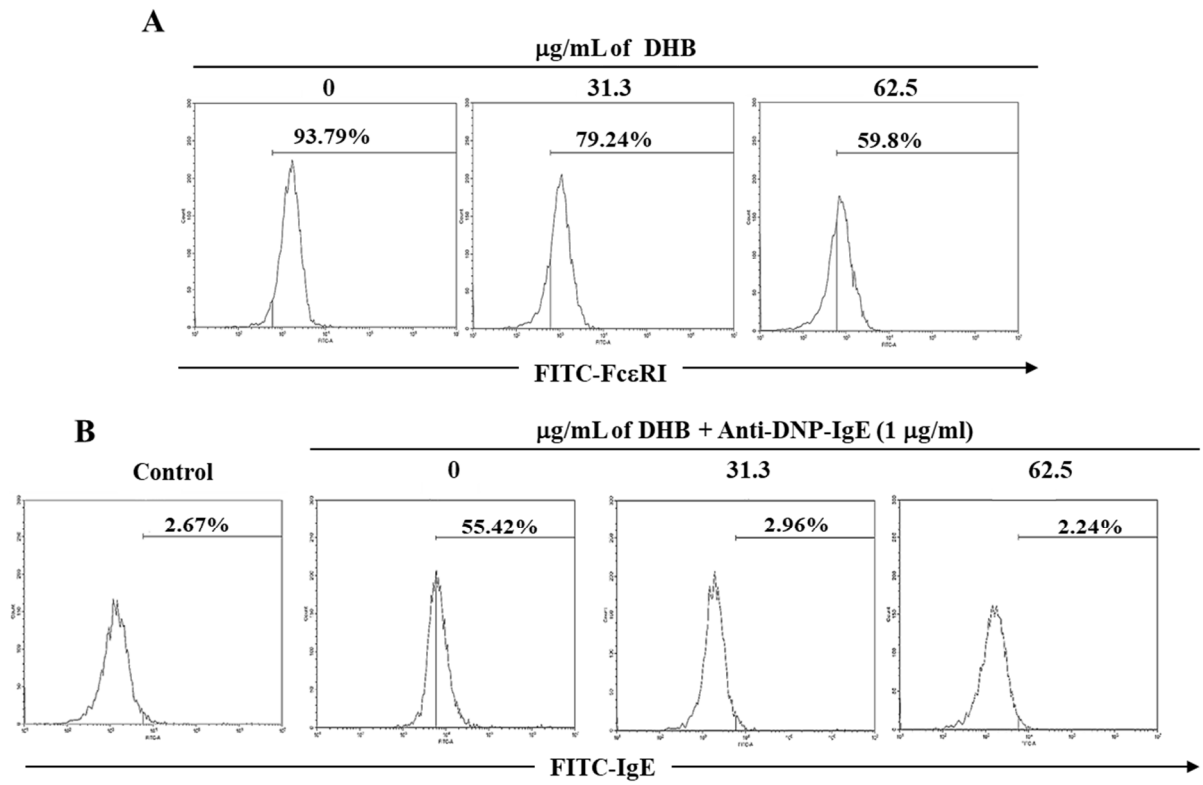
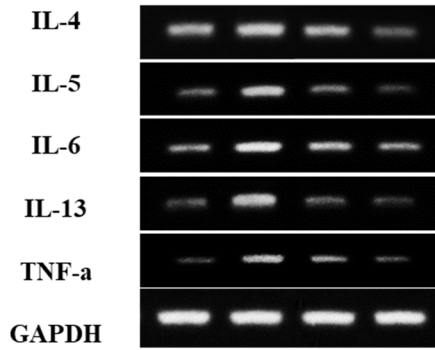


Figure S1. Effects of DHB on Fc ϵ RI expression and the crosslinking of IgE to Fc ϵ RI expression in IgE/BSA-stimulated BMCMCs. (A) cell surface Fc ϵ RI expression and (B) IgE antibody binding to Fc ϵ RI in BMCMCs.

A

DHB (μg/mL)	-	-	31.3	62.5
Anti-DNP-IgE	-	+	+	+
DNP-BSA	-	+	+	+

**B**

DHB (μg/mL)	-	-	31.3	62.5
Anti-DNP-IgE	-	+	+	+
DNP-BSA	-	+	+	+

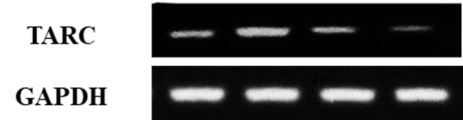


Figure S2. Effects of DHB on the mRNA expression levels of allergic cytokines and chemokine in IgE/BSA-stimulated BMCMCs. The expression levels of (A) cytokines and (B) chemokine using RT-PCR analysis.

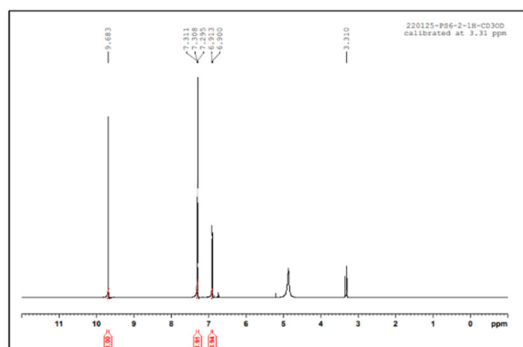
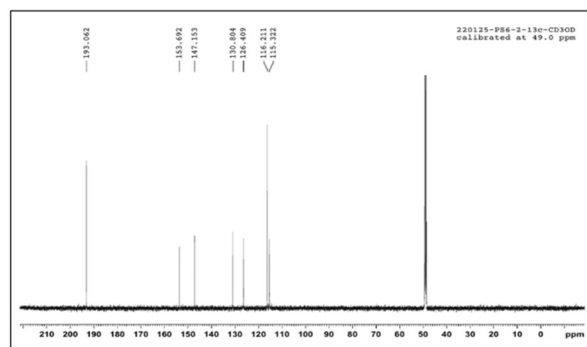
A**B**

Figure S3. The ¹H (A) and ¹³C (B) NMR spectrum of DHB.