< X ¸ 3 " R pRAW 264.7 2 ‰ · ´

1 |

Effects of cruciferous vegetable derivatives on inflammatory mediators secreted by activated RAW 264.7 cells

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! – RAW 264.7 ‰ a S ⁄ v < X ¸ 3 " m ˆphenylethyl isothiocyanate (PEITC) vindole-3-carbinol (I3C) ˆLPS p · ´ (nitric oxide, NO) › o tumor necrosis factor- ‚ TNF- .– ; 2 1‰ ˆ interleukin-1 ; IL-1 ˆ– interleukin-10 IL-10 – h fl H prostaglandin E2, PGE2 – 3 « 1 | ˆ + ¡ ı PEITC h † + Ł Ø B (5x10-7 M~10-5 M) vI3C (10-5 M~10-4 M) æ LPS7 ‹ NOp 1 3 « ’ j f fl ¤ PEITC –p 4 a ØPEITC ˘ æ" ° pLPS7 ‹ p 1 u 2 ‰ ¿ TNF- . IL-10 PGE2 1 3 «I3C æ LPS7 ‹ TNF- . IL-10 1 3 « PGE2 IL-1 ˆ 1 3 Western blot ° Ł PEITC "vI3C æ ˆ 2 ‰ COX-2 (cyclooxgenase-2) h ; 1 d PEITC …vI3C M 4 NO ¨ 1 4 5 } – B Ł PEITC vI3C ¸ LPS 3 ‹" NOp PGE2 2 ‰ ¿ H 1 3 « ¶ PEITC æ4 !LPS7 ‹ NOp TNF- . IL-10 PGE2 1 3 I3C æ LPS7 ‹ NOp TNF- . IL-10 1 3 « IL-1 ˆ ˆ1 3 « ° æ ˆLPS ˆ ‹ COX-2 h ; 1 d PGE2 æ ª3 « PEITC vI3C æ 7 4NO X p¨ 4 NO D " m°

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