

專利/技術名稱	苯醌類化合物應用於抑制黑色素瘤細胞之 Wnt/ β -catenin 訊息途徑之用途 Use of para-quinone of formula (I) for down-regulation of Wnt/ β -catenin signaling pathway of melanoma cell.		
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專利國別	中華民國	專利證號	I504390
可利用範圍	本發明是有一種抑制黑色素瘤細胞增生的苯醌類化合物及其醫藥組合物。		
摘要	<p> 一種苯醌類化合物應用於抑制黑色素瘤細胞之 Wnt/β-catenin 訊息途徑之用途，以及應用此苯醌類化合物製備之醫藥組合物或補充物。苯醌類化合物包含化合物(I)所示之結構：其中，R₁ 為氫基或[(C₄H₄)CH₃]_n，n 為 1-5 的整數；R₂ 為氫基或甲氧基。 </p> <p> Use of a para-quinone of formula (I) for down-regulation of Wnt/β-catenin signaling pathway of melanoma cell, and a medicament containing the para-quinone of formula (I) as an active ingredient are disclosed. In formula (I), wherein R₁ is hydrogen or [(C₄H₄)CH₃]_n, n is an integer from 1 to 5. R₂ is hydrogen or methoxy group. </p> <div data-bbox="683 1227 1118 1585" style="text-align: center;"> <p>The image shows the chemical structure of a para-quinone, specifically 1,4-naphthoquinone. It consists of a six-membered ring with two carbonyl groups (C=O) at the 1 and 4 positions. The ring has two double bonds at the 2 and 5 positions. Substituents are attached at the 3 and 6 positions: H₃CO (methoxy) at position 3, CH₃ (methyl) at position 6, R₁ at position 5, and R₂ at position 3.</p> </div>		