

專利/技術名稱	苯醌類化合物應用於抑制動脈粥狀血管硬化之用途 USE OF A PARA-QUINONE FOR INHIBITING ATHEROSCLEROSIS		
專利所有權人	中國醫藥大學		
專利國別	中華民國	專利證號	I489982
可利用範圍	本發明是有關於一種應用於提升哺乳類動物抗氧化酵素表現以抑制與發炎有關的病理現象之用途，及以苯醌類化合物為有效成份之醫藥組合物。		
摘要	<p>一種苯醌類化合物應用於抑制動脈粥狀血管硬化之用途，以及應用此苯醌類化合物製備之醫藥組合物。其中苯醌類化合物包含化合物(I)所示之結構：化合物(I)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 up-regulation of antioxidant genes to treat a pathological phenomena associated with oxidative stress-induced inflammation, 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="678 1301 1131 1671" 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 four substituents: a methoxy group (H₃CO) at the 2-position, a methyl group (CH₃) at the 3-position, an R₁ group at the 5-position, and an R₂ group at the 6-position. The double bonds in the ring are located between carbons 2 and 3, and between carbons 5 and 6.</p> </div>		