

ABSTRACT**COMPOSITIONS FOR THE REDUCTION OF SCARRING**

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The invention provides the use of one or more substances selected from the group consisting of (a) an adenylyl cyclase agonist, (b) cyclic 3', 5'-adenosine monophosphate (cAMP) and salts and derivatives thereof, and (c) phosphodiesterase inhibitors for the preparation of a composition for the reduction of wound scarring. The substances act by increasing cAMP levels in the wound, thereby reducing cell proliferation resulting in reduced scarring. Preferred substances include forskolin, dybutyryl cAMP, lisofylline, and isobutyl methyl xanthine (IBMX).

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