

Title (en)
PULMONARY HYDROPHOBIC SURFACTANT-ASSOCIATED PROTEIN OF 6,000 DALTONS MOLECULAR WEIGHT AND MULTIMERS THEREOF.

Title (de)
LUNGENHYDROPHOBES, AN EIN OBERFLÄCHENAKTIVES MITTEL ASSOZIIERTES PROTEIN VON 6000 DALTON MOLEKULARGEWICHT SOWIE MULTIMERE DAVON.

Title (fr)
PROTEINE ASSOCIEE A UN AGENT TENSIO-ACTIF HYDROPHOBE PULMONAIRE D'UN POIDS MOLECULAIRE DE 6000 DALTONS, ET SES MULTIMERES.

Publication
EP 0273916 A4 19891130 (EN)

Application
EP 86906670 A 19861024

Priority
US 86023986 A 19860506

Abstract (en)
[origin: WO8706943A1] Novel, isolated, substantially pure, hydrophobic surfactant-associated protein of 6,000 daltons simple molecular weight (SAP-6). When SAP-6 is combined with lipids, its surfactant-like property imparts to the combination significant pulmonary biophysical activity. Such a combination results in enhanced adsorption of the lipids with properties similar to that of natural pulmonary surfactant material. SAP-6 in combination with lipids is highly useful for replacing or supplementing natural pulmonary surfactant material for reducing or maintaining normal surface tension in the lungs, especially in the lungs of patients suffering from hyaline membrane disease (HMD), or other syndromes associated with the lack or insufficient amounts of natural pulmonary surfactant material. A combination of SAP-6 and lipids may be administered as an aerosol spray or in aqueous normal saline with or without calcium chloride for treating or preventing HMD and other surfactant deficiency states. Also disclosed are methods of isolating the SAP-6 from animal tissue.

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C07K 15/06; **C07K 7/00**; **C07K 13/00**

IPC 8 full level
C07K 14/00 (2006.01); **A61K 38/00** (2006.01); **A61K 38/04** (2006.01); **C07K 1/14** (2006.01); **C07K 14/435** (2006.01); **C07K 14/785** (2006.01); **C07K 16/00** (2006.01); **C07K 16/18** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)
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C-Set (source: EP)
1. **A61K 38/04 + A61K 31/66**
2. **A61K 38/04 + A61K 31/575**
3. **A61K 38/04 + A61K 31/685**
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Citation (search report)
• WO 8603408 A1 19860619 - CALIFORNIA BIOTECHNOLOGY INC [US]
• WO 8702037 A1 19870409 - GENETICS INST [US], et al
• See references of WO 8706943A1

Designated contracting state (EPC)
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