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54 **Medicament-substituted hapten conjugates, process for their preparation, their use as pharmaceuticals and hapten used in their preparation.**

57 Conjugates are formed by linking certain medicaments or derivatives thereof to certain haptens, such as levans or dextrans, in which a number of the hydroxy groups are substituted by one or more $-\text{CH}_2-\text{CO}-\text{NH}-\text{x}-\text{NH}_2$ groups wherein x is a C_{1-6} -alkylene group optionally substituted by hydroxy groups or a C_{2-6} -alkylene-amino group. Medicaments or their derivatives suitable for inclusion within the conjugates are penicillins, penicilloic acid, penicillamine, cephalosporins, sulphonamides, benzylpyrimidines or pollen extracts. Pharmaceutical compositions containing the conjugates create tolerance to the administration of the medicaments in mammals.

EP 0 000 791 A3



DOCUMENTS CONSIDERED TO BE RELEVANT		CLASSIFICATION OF THE APPLICATION (Int. Cl. ²)	
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<p>CHEMICAL ABSTRACTS, vcl. 67, 106927f (1967) & Immunochemistry, 4(5), 331-343 (1967). * Abstract *</p> <p style="text-align: center;">--</p> <p>CHEMICAL ABSTRACTS, vol. 75, 149980a (1971) & Eur. I. Immunol., 1(2), 98-106 (1971) * Abstract *</p> <p style="text-align: center;">--</p> <p>CHEMICAL ABSTRACTS, vol. 85, 92018t (1976) & Role Immunol. Factors Infect., Allerg., Autoimmune Processes", edited by R.F. Beers Jr. et al, New York, 1976, pages 185-98. * Abstract *</p> <p style="text-align: center;">-----</p>	<p>1-3, 5-13</p> <p>1-3, 5-13</p> <p>1,5-13</p>	<p>C 08 B 37/00 A 61 K 39/00</p> <p>TECHNICAL FIELDS SEARCHED (Int.Cl.²)</p> <p>A 61 K 39/00 C 08 B 37/00</p> <p>CATEGORY OF CITED DOCUMENTS</p> <p>X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons</p>
<p><input checked="" type="checkbox"/> The present search report has been drawn up for all claims</p>		<p>&: member of the same patent family, corresponding document</p>	
Place of search	The Hague	Date of completion of the search	24-11-1978
		Examiner	RIJCKEBOSCH