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(71) Applicant *(for all designated States except US)*: **MOLOGIC LTD** [GB/GB]; Colworth Science Park, Sharnbrook, Bedfordshire MK44 1LQ (GB).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **DAVIS, Paul, James** [GB/GB]; Mologic Ltd, Colworth Science Park, Sharnbrook, Bedfordshire MK44 1LQ (GB). **SCHOUTEN, James, Alexander** [NL/GB]; Mologic Ltd, Colworth Science Park, Sharnbrook, Bedfordshire MK44 1LQ (GB).

(74) Agents: **SPENCER, Matthew, Peter** et al.; BOULT WADE TENNANT, Verulam Gardens, 70 Gray's Inn Road, London WC1X 8BT (GB).

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(54) Title: PEPTIDE CLEARING AGENTS

(57) Abstract: A peptide clearing agent is provided for clearance of a conjugate of an enzyme and a binding molecule which binds specifically at a target location from a non-target location in a subject. The peptide clearing agent binds the active site of the enzyme. The peptide also binds to the asialoglycoprotein receptor expressed by hepatic cells to facilitate clearance through the liver. The peptide may be glycosylated to facilitate clearance through the liver by binding to hepatic cells expressing an asialoglycoprotein receptor. Typically, the peptide prevents or inhibits enzyme activity upon binding to the enzyme and is not substantially modified by the enzyme activity. The peptide may be based upon the dipeptide amino-naphthoic acid (ANA) - glutamate (GIu) and may comprise the amino acid sequence serine (Ser) - Alanine (Ala) - amino-naphthoic acid (ANA) - glutamate (GIu). In such cases, the enzyme of interest is typically CPG2.