

Title (en)

MOLECULES WITH ANTIBODY COMBINING SITES THAT EXHIBIT STEREOSPECIFIC CATALYSIS

Publication

**EP 0454778 A4 19931006 (EN)**

Application

**EP 90902870 A 19900112**

Priority

US 29779889 A 19890117

Abstract (en)

[origin: WO9008185A1] A stereoisomeric analog-ligand having a conformation that substantially corresponds to the conformation of a hydrolytic transition state of an amide or ester reactant ligand and the stereochemistry of the nearby atoms is used to produce receptor molecules of predetermined specificity. The receptor molecules include an antibody combining site that binds stereospecifically to one stereoisomer of the analog-ligand and also to one stereoisomer of the reactant ligand and thereby stabilizes the tetrahedral carbon atom of the amide or ester hydrolysis transition state of that reactant ligand to catalytically hydrolyze the reactant ligand at a predetermined site.

IPC 1-7

**C12N 5/12**; **C12N 9/16**; **C12N 9/78**; **C12N 9/80**

IPC 8 full level

**C12N 15/02** (2006.01); **C07F 9/40** (2006.01); **C07F 9/42** (2006.01); **C07K 16/00** (2006.01); **C12N 5/10** (2006.01); **C12N 9/00** (2006.01); **C12N 9/18** (2006.01); **C12N 9/48** (2006.01); **C12N 9/78** (2006.01); **C12P 21/06** (2006.01); **C12P 21/08** (2006.01); **C12R 1/91** (2006.01)

CPC (source: EP KR)

**C07F 9/4087** (2013.01 - EP); **C07F 9/425** (2013.01 - EP); **C07K 16/00** (2013.01 - EP); **C12N 5/12** (2013.01 - KR); **C12N 9/0002** (2013.01 - EP)

Citation (search report)

- [XD] WO 8809380 A1 19881201 - SCRIPPS CLINIC RES [US]
- See references of WO 9008185A1

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