



US006528486B1

(12) **United States Patent**
Larsen et al.(10) **Patent No.:** US 6,528,486 B1
(45) **Date of Patent:** Mar. 4, 2003(54) **PEPTIDE AGONISTS OF GLP-1 ACTIVITY**

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Jens Damsgaard Mikkelsen, Lyngby (DK); **Søren Neve**, Lyngby (DK)
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **09/614,847**(22) Filed: **Jul. 12, 2000****Related U.S. Application Data**

- (60) Provisional application No. 60/143,591, filed on Jul. 12, 1999.
- (51) Int. Cl.⁷ **A61K 38/00**
- (52) U.S. Cl. **514/12; 514/2; 530/300; 530/303**
- (58) Field of Search 514/12, 2; 530/300, 530/303

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Primary Examiner—Lorraine Spector*Assistant Examiner*—Dong Jiang(74) *Attorney, Agent, or Firm*—Robert L. Buchanan; Edwards & Angell, LLP(57) **ABSTRACT**

The present invention relates to novel peptide conjugates which have increased stability and are useful in the treatment of excess levels of blood glucose.

2 Claims, 8 Drawing Sheets

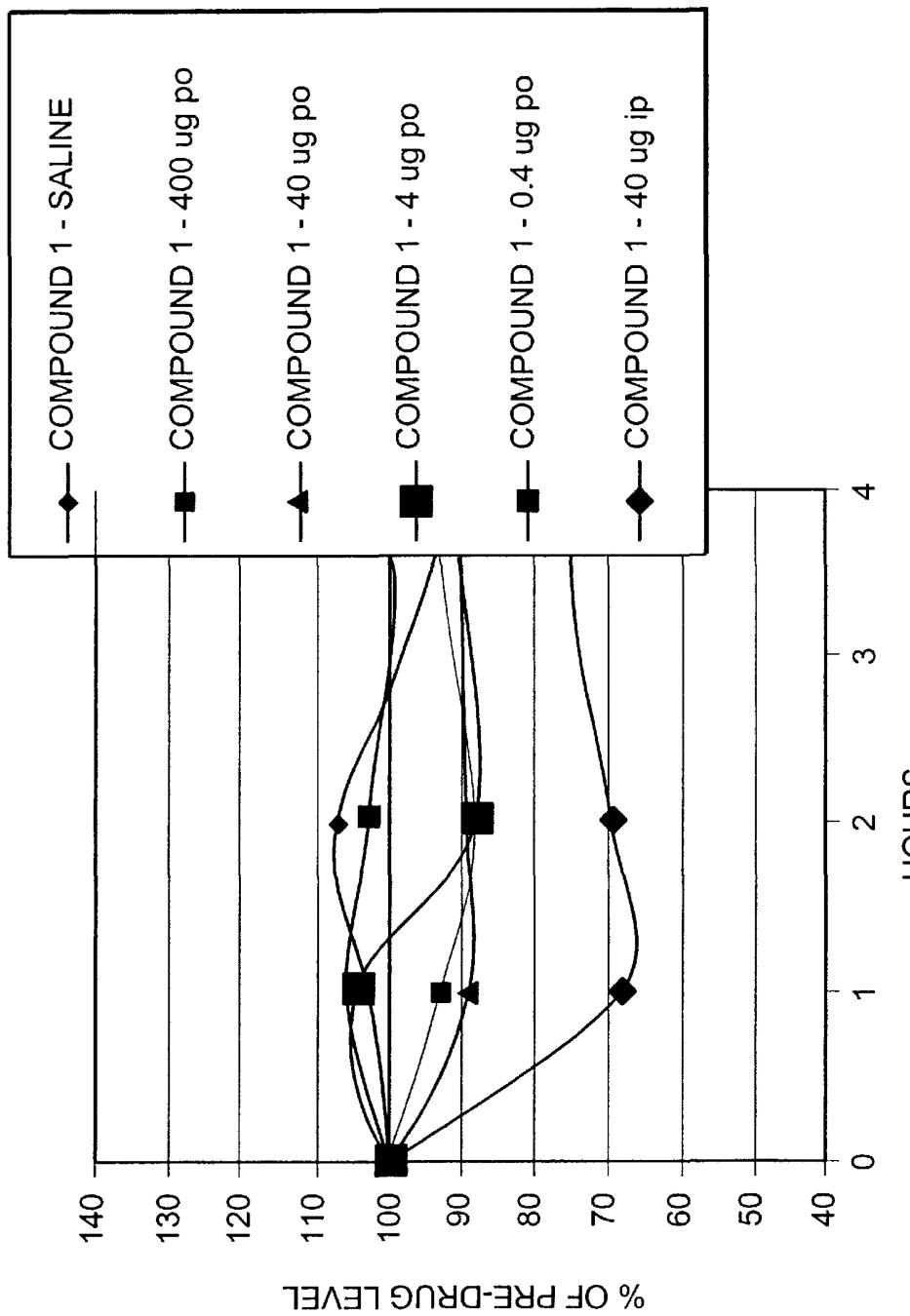


FIG. 1

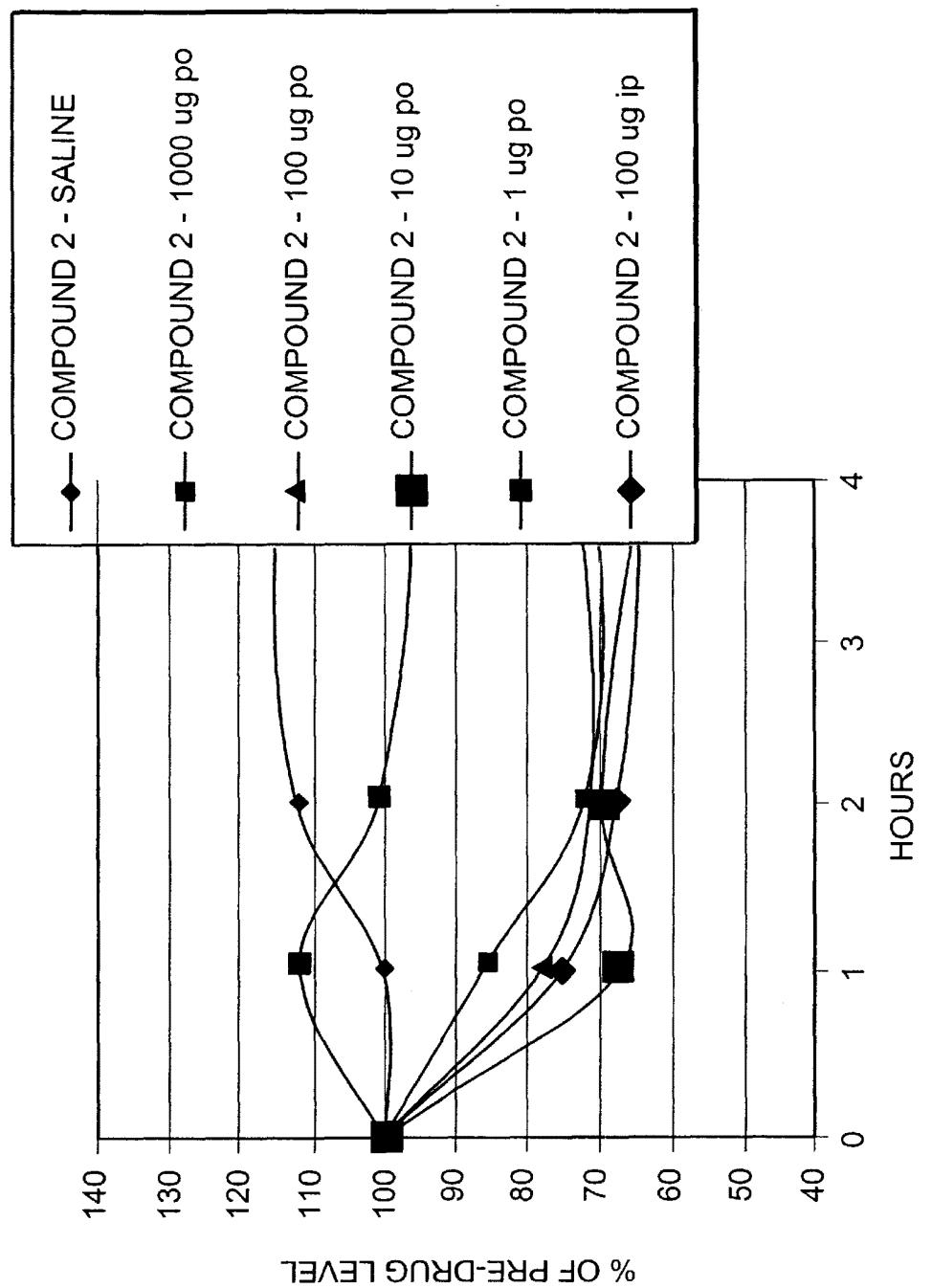


FIG. 2

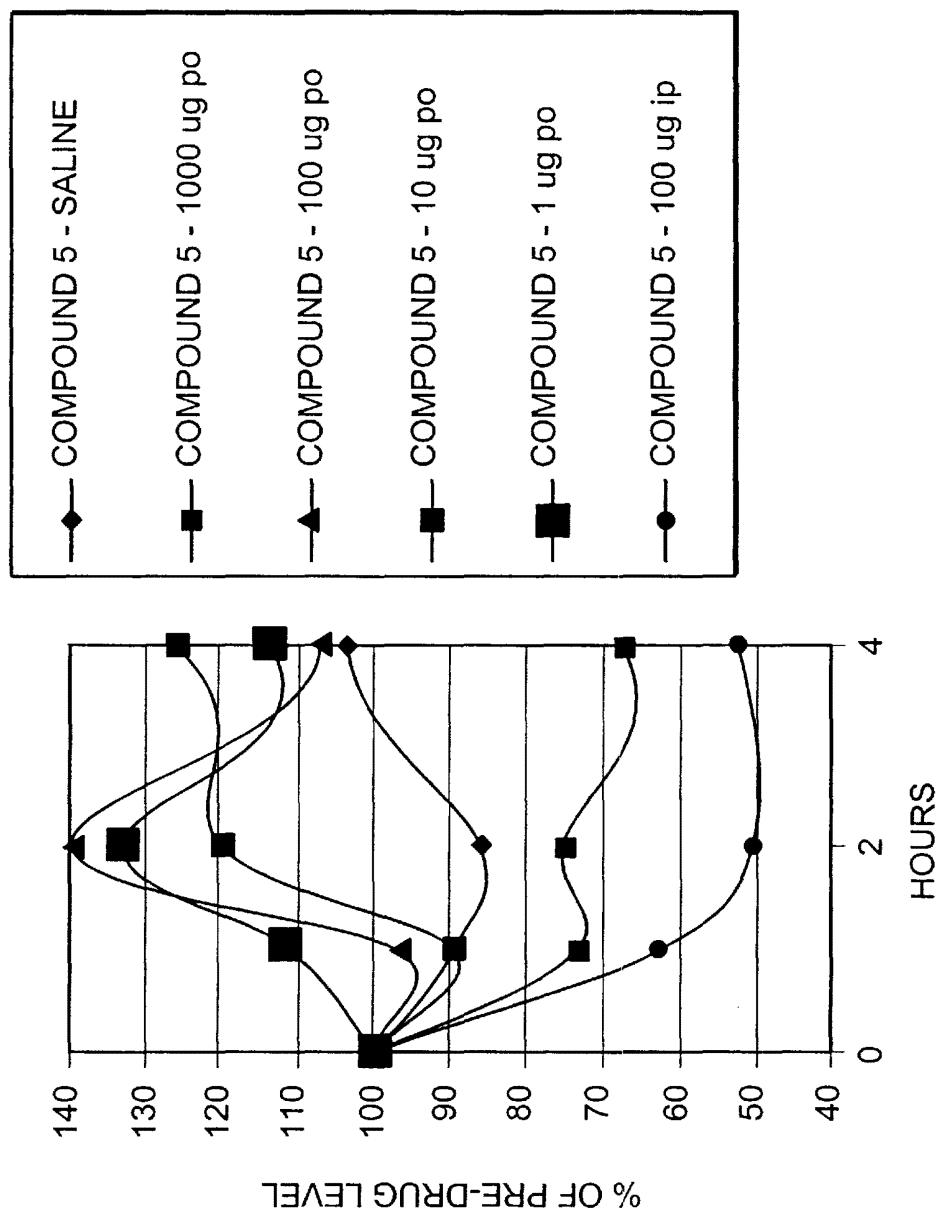


FIG. 3

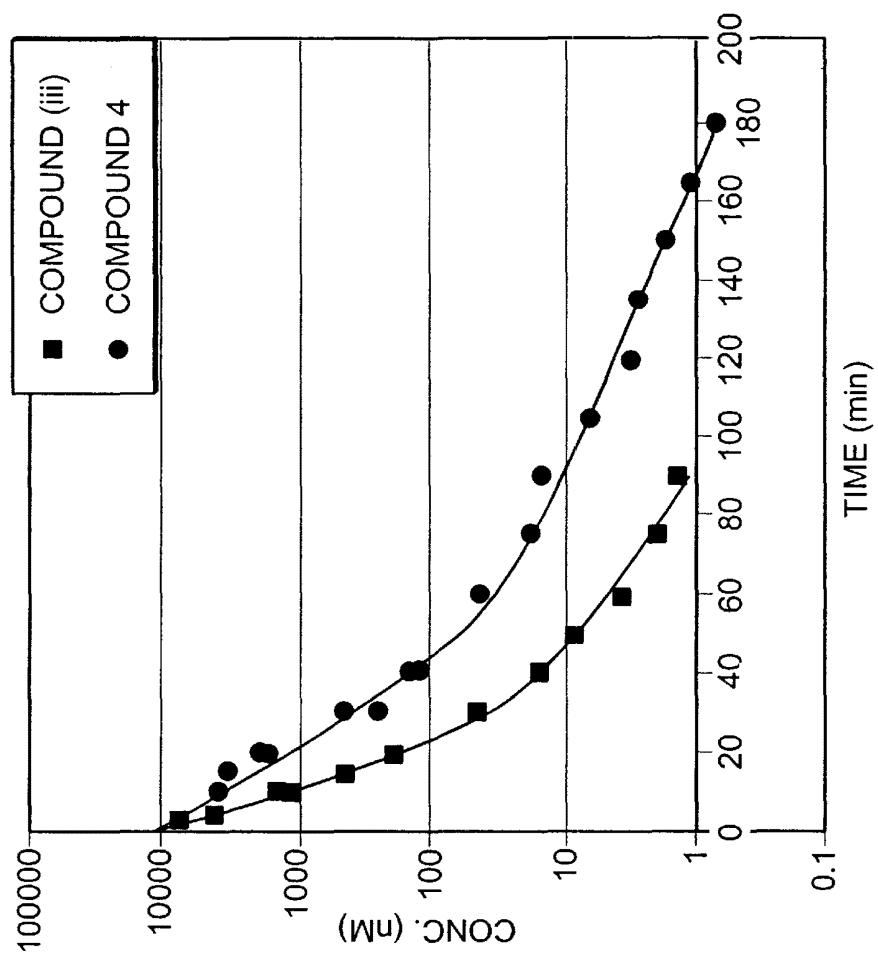


FIG. 4

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