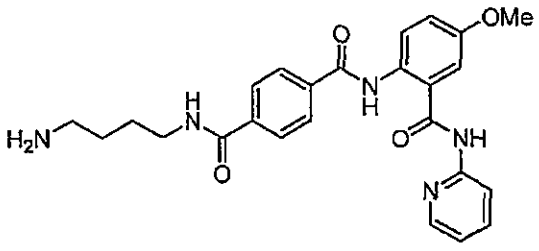
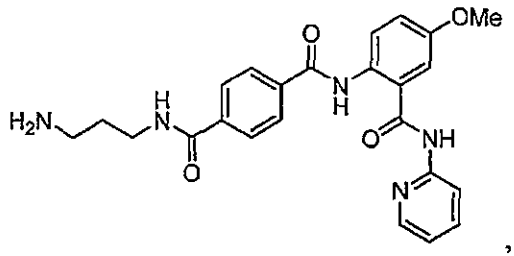
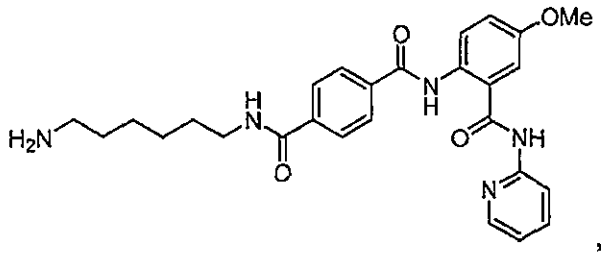
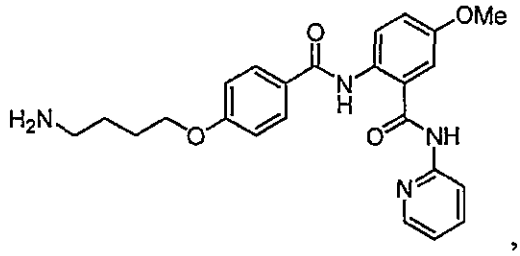
CLAIMS

1. A compound selected from:


,

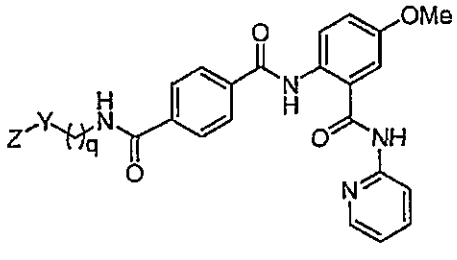

,

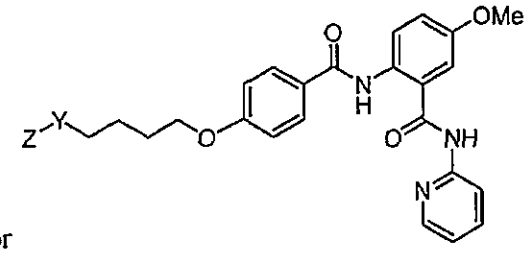

, or


,

or a salt thereof.

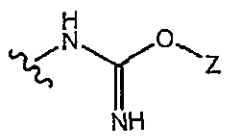
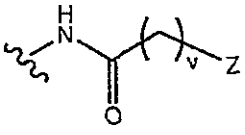
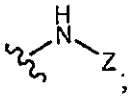
2. An affinity solid support selected from:


or


,

or a salt thereof,

wherein:

Y-Z is ,  or ;

Z is a solid support;

q is 3, 4 or 6; and

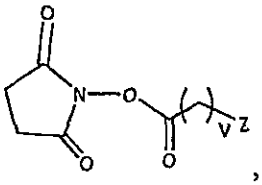
v is 1, 2, 3, 4, 5, 6 or 7.

3. The affinity solid support of claim 2, wherein Z is an agarose resin.

4. A kit for purifying a serine protease comprising

(1) an affinity solid support of claim 2, and

(2) an elution buffer comprising a competitive agent.

5. A kit for purifying a serine protease comprising a compound of claim 1 and a resin of the formula NC-O-Z or , wherein Z is a solid support.

6. The kit of claim 5, wherein Z is an agarose resin.

7. A method for purifying a fXa derivative comprising

(1) adding a first composition comprising the fXa derivative to an affinity solid support of claim 2 or a salt thereof to form a second composition comprising the fXa derivative and the affinity solid support of claim 2, and

(2) eluting the fXa derivative from the second composition with an elution buffer comprising a competitive agent,

wherein the fXa derivative is a polypeptide comprising the amino acid sequence of SEQ ID NO: 1, 2 or 4, or a polypeptide having at least about 80% sequence identity to SEQ ID NO: 1, 2 or 4 and further wherein the derivative is capable of binding to a fXa inhibitor and does not assemble into a prothrombinase complex.

8. The method of claim 7, wherein the competitive agent is arginine and/or benzamidine, or a salt thereof.

9. The method of claim 7., wherein the fXa derivative is a polypeptide comprising the amino acid sequence of SEQ ID NO: 2, or a polypeptide having at least about 90% sequence identity to SEQ ID NO: 2.

10. The method of claim 9, wherein the polypeptide has at least about 95% sequence identity to SEQ ID NO: 2.