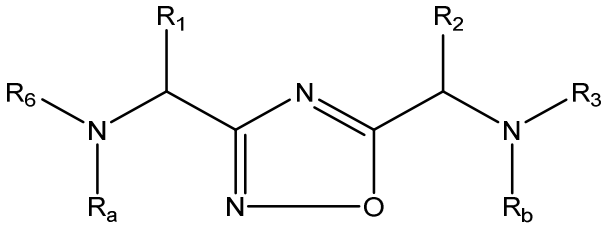
CLAIMS

1. A compound of formula (IA):



(IA)

or a pharmaceutically acceptable salt thereof; wherein,

$R_1$ and $R_2$ independently are a side chain of an amino acid, $(C_1\text{-}C_6)$alkyl, $(C_2\text{-}C_6)$alkenyl, $(C_2\text{-}C_6)$alkynyl or cycloalkyl; wherein each of $(C_1\text{-}C_6)$alkyl, $(C_2\text{-}C_6)$alkenyl, $(C_2\text{-}C_6)$alkynyl or cycloalkyl is optionally substituted by one or more substituents, each independently selected from amino, alkylamino, acylamino, carboxylic acid, carboxylate, carboxylic acid ester, thiocarboxylate, thioacid, $-CONR_7R_8$, hydroxy, cycloalkyl, (cycloalkyl)alkyl, aryl, arylalkyl, heterocyclyl, (heterocyclyl)alkyl, heteroaryl, (heteroaryl)alkyl, guanidino, -SH and -S(alkyl); optionally wherein each cycloalkyl, aryl, heterocyclyl or heteroaryl is further substituted by one or more substituents such as hydroxy, alkoxy, halo, amino, nitro, cyano or alkyl and optionally wherein two or three carbon atoms of the $(C_1\text{-}C_6)$alkyl, $(C_2\text{-}C_6)$alkenyl or $(C_2\text{-}C_6)$alkynyl form part of a 3-7-membered carbocyclic or heterocyclic ring (such as a cyclobutyl or oxirane ring);

$R_3$ is $-CO\text{-}[Aaa1]_m$;

$R_6$ is hydrogen or alkyl;

$R_7$ and $R_8$ independently are hydrogen, $(C_1\text{-}C_6)$alkyl, aryl or heterocyclyl;

[Aaa1] represents an amino acid residue having a side chain; wherein a C-terminal carboxyl moiety of the amino acid residue is a free C-terminal carboxyl moiety (-COOH) or a modified C-terminal carboxyl moiety, and an N-terminal amino moiety of the amino acid residue is a free N-terminus ($-NH_2$) or a modified N-terminal amino moiety;

$R_a$ is hydrogen or alkyl;

$R_b$ is hydrogen, alkyl, alkenyl, alkynyl, acyl, aralkyl, aryl, heteroaralkyl, heteroaryl, cycloalkyl, (cycloalkyl)alkyl, aminoalkyl, hydroxyalkyl or alkoxyalkyl; or $R_b$ and $R_2$, together with the atoms to which they are attached, form pyrrolidine or piperidine, each optionally substituted with one or more substituents independently selected from hydroxyl, halo, amino, cyano and alkyl;

m is integer from 1 to 3;

and

with a proviso that when $R_2$ is a side chain of Asp, Asn, Glu or Gln, $R_3$ is -CO-Ser or -CO-Thr, $R_6$ is hydrogen or alkyl and $R_a$ and $R_b$ are hydrogen, then $R_1$ is not a side chain of Ser or Thr.

2. The compound of claim 1, wherein $R_b$ is H.

3. The compound of claim 1 or 2, wherein the side chain of [Aaa1] comprises a ($C_1$-$C_4$)alkyl optionally substituted by one or more substituents, each independently selected from amino, alkylamino, acylamino, carboxylic acid, carboxylate, thiocarboxylate, thioacid, -$CONR_7R_8$, hydroxy, cycloalkyl, (cycloalkyl)alkyl, aryl, heterocyclyl, heteroaryl, guanidino, -SH, and -S(alkyl); and optionally wherein each cycloalkyl, aryl, heterocyclyl or heteroaryl is further substituted by one or more substituents such as hydroxy, alkoxy, halo, amino, nitro, cyano or alkyl.

4. The compound of any one of claims 1 to 3, wherein the side chain of [Aaa1] comprises a ($C_1$-$C_4$)alkyl substituted by one or more substituents, each independently selected from amino, acylamino, carboxylic acid, -$CONR_7R_8$, hydroxy, cycloalkyl, aryl, heteroaryl, guanidino, -SH and -S(alkyl); and wherein $R_7$ and $R_8$ independently are hydrogen, alkyl, aryl or heterocyclyl.

5. The compound of any one of claims 1 to 4, wherein $R_a$ is H.

6. The compound of any one of claims 1 to 5, wherein $R_1$ is $(C_1\text{-}C_6)$alkyl optionally substituted by one or more substituents, each independently selected from amino, alkylamino, acylamino, carboxylic acid, carboxylate, carboxylic acid ester, thiocarboxylate, thioacid, -$CONR_7R_8$, hydroxy, cycloalkyl, (cycloalkyl)alkyl, aryl, arylalkyl, heterocyclyl, (heterocyclyl)alkyl, heteroaryl, (heteroaryl)alkyl, guanidino, -SH, and -S(alkyl); and optionally wherein each cycloalkyl, aryl, heterocyclyl or heteroaryl is further substituted by one or more substituents such as hydroxy, alkoxy, halo, amino, nitro, cyano or alkyl.

7. The compound of any one of claims 1 to 6, wherein R1 is (C1-C6)alkyl substituted by one or more substituents each independently selected from amino, acylamino, carboxylic acid, -$CONR_7R_8$, hydroxy, cycloalkyl, aryl, heteroaryl, guanidino, -SH, and -S(alkyl); and wherein $R_7$ and $R_8$ independently are hydrogen, alkyl or aryl.

8. The compound of any one of claims 1 to 5, wherein $R_1$ is the side chain of an amino acid.

9. The compound of any one of claims 1 to 5, wherein $R_1$ is a side chain of an amino acid selected from Ala, Asn, Asp, Tyr, Lys, Ser, Thr, Gln, Ile, Val, Glu, Arg, Leu, Trp, His, Met, Cys, and Phe.

10. The compound of any one of claims 1 to 9, wherein $R_2$ is $(C_1\text{-}C_6)$alkyl optionally substituted by one or more substituents, each independently selected from amino, alkylamino, acylamino, carboxylic acid, carboxylate, carboxylic acid ester, thiocarboxylate, thioacid, -$CONR_7R_8$, hydroxy, cycloalkyl, (cycloalkyl)alkyl, aryl, arylalkyl, heterocyclyl, (heterocyclyl)alkyl, heteroaryl, (heteroaryl)alkyl, guanidino, -SH, and -S(alkyl); and optionally wherein each cycloalkyl, aryl, heterocyclyl or heteroaryl is further substituted by one or more substituents such as hydroxy, alkoxy, halo, amino, nitro, cyano or alkyl.

11. The compound of any one of claims 1 to 10, wherein $R_2$ is $(C_1$-$C_6)$alkyl substituted by one or more substituents, each independently selected from amino, acylamino, carboxylic acid, -$CONR_7R_8$, hydroxy, cycloalkyl, aryl, heteroaryl, guanidino, -SH and -S(alkyl); and wherein $R_7$ and $R_8$ independently are hydrogen or alkyl.

12. The compound of any one of claims 1 to 10, wherein $R_2$ is the side chain of an amino acid.

13. The compound of any one of claims 1 to 9, wherein $R_2$ is a side chain of an amino acid selected from Ala, Asn, Ile, Lys, Phe, Glu, Asp, Trp, Val, Ser, Gln, Tyr, Thr, Met, Arg, and Leu.

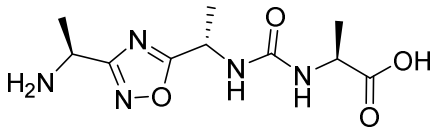
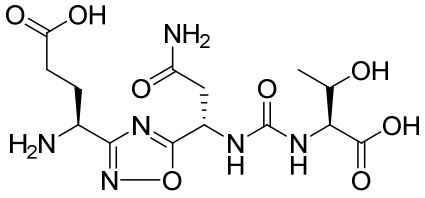
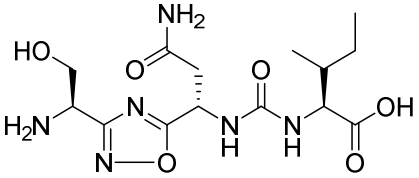
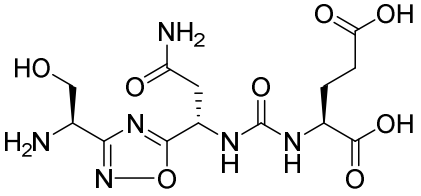
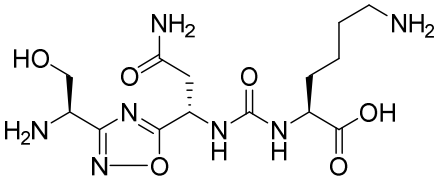
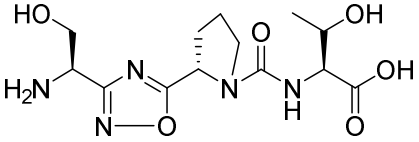
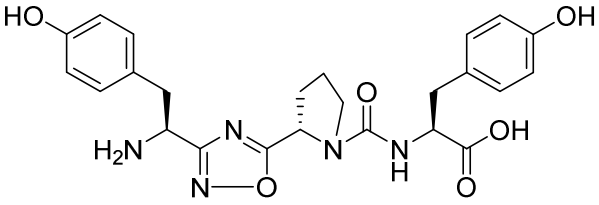
14. The compound of any one of claims 1 to 9, wherein $R_b$ and $R_2$, together with the atoms to which they are attached, form pyrrolidine or piperidine, optionally substituted with one or more substituents, each independently selected from hydroxyl, halo, amino, cyano and alkyl.

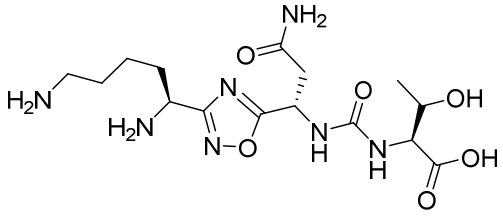
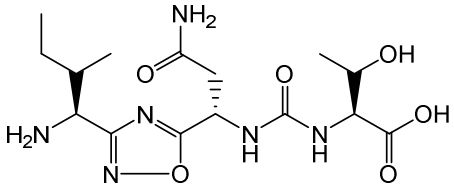
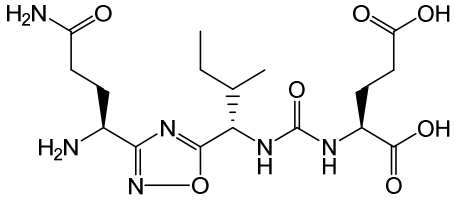
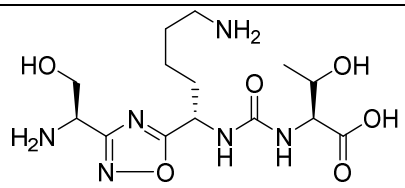
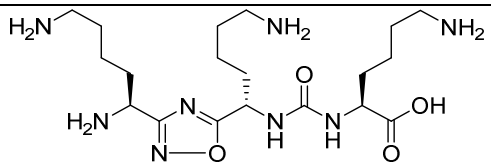
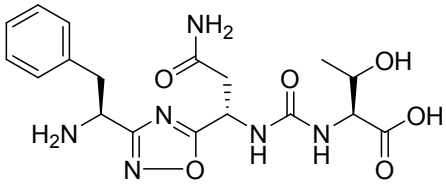
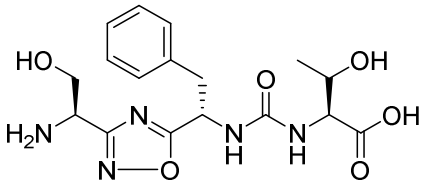
15. The compound of any one of claims 1 to 14, wherein $R_6$ is H.

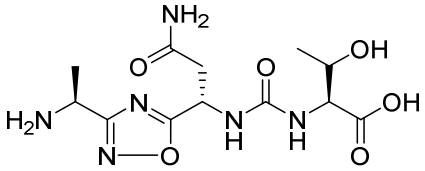
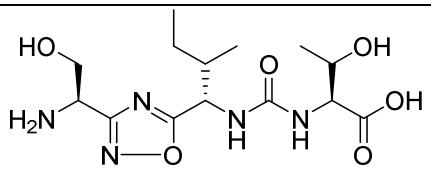
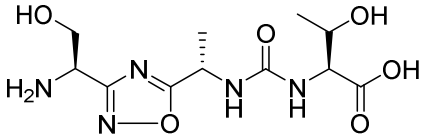
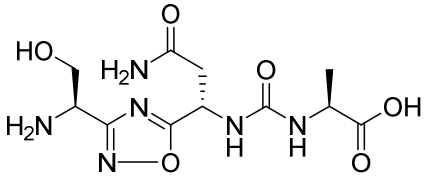
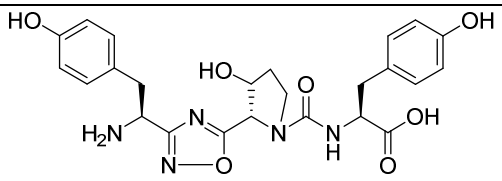
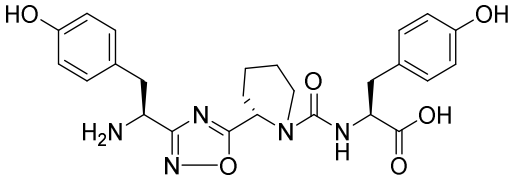
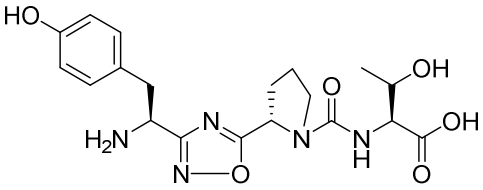
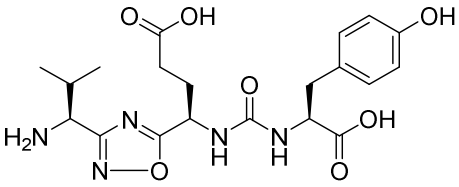
16. The compound of any one of claims 1 to 15, wherein at least one of the amino acid residues is a D amino acid residue.

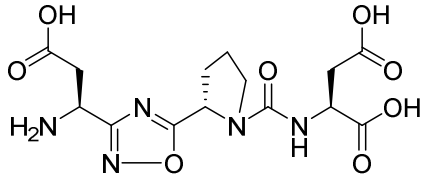
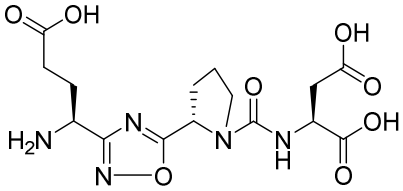
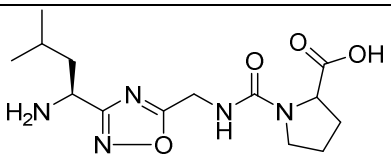
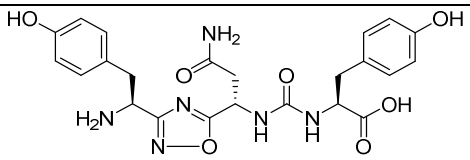
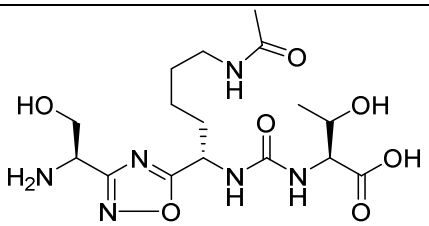
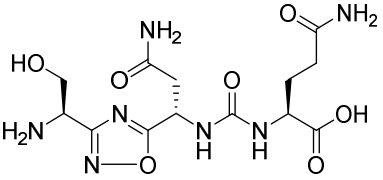
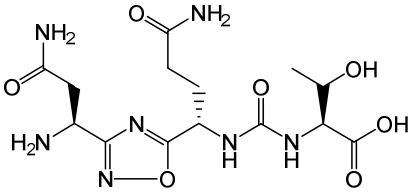
17. The compound of any one of claims 1 to 16, wherein at least one of the amino acid residues is an L amino acid residue.

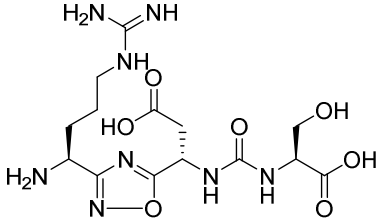
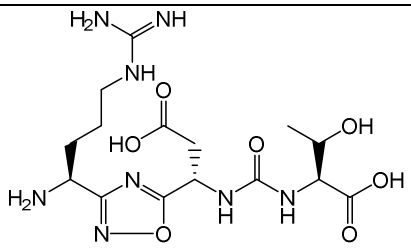
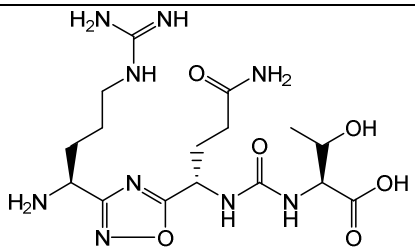
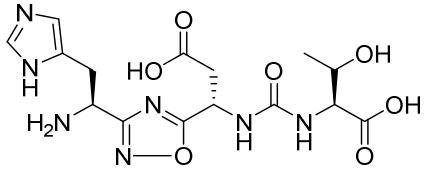
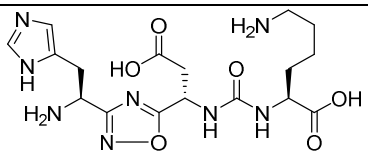
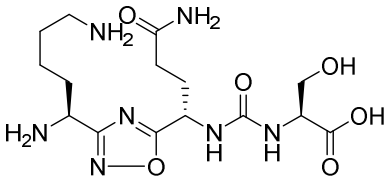
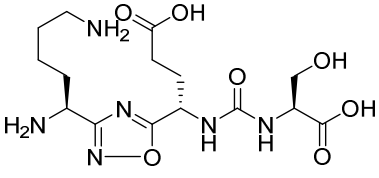
18. The compound of claim 1, wherein the compound is selected from:

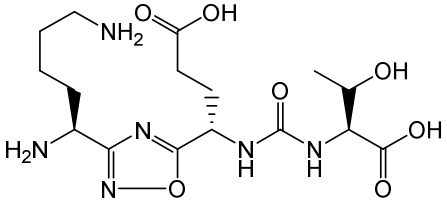
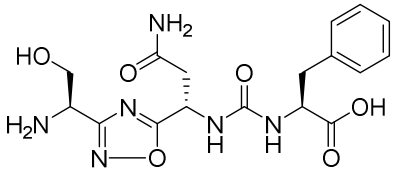
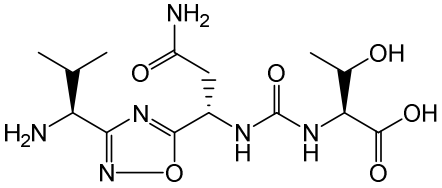
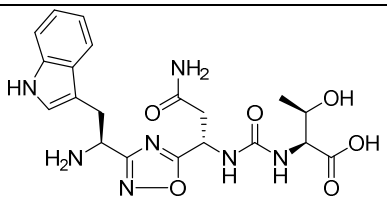
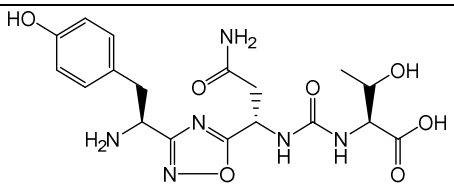
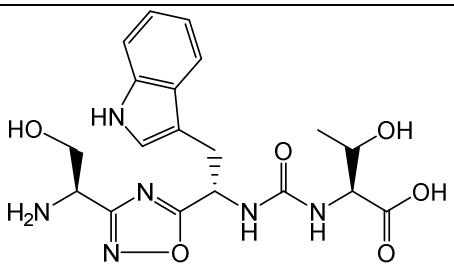
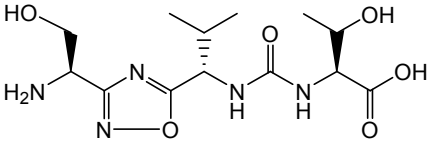
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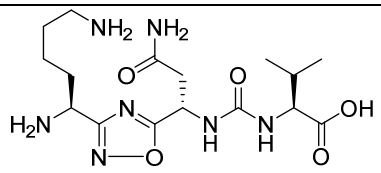
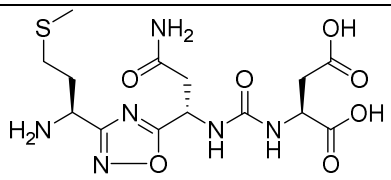
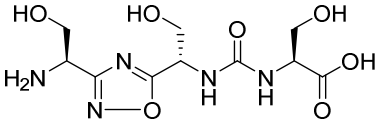
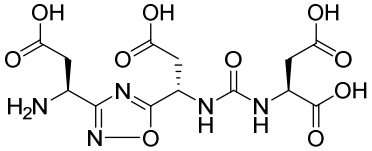
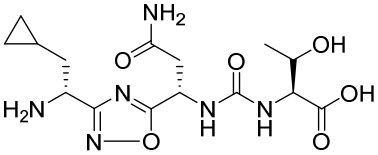
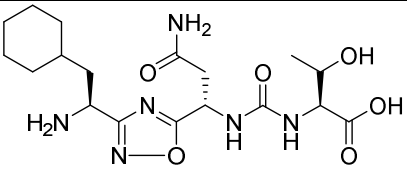
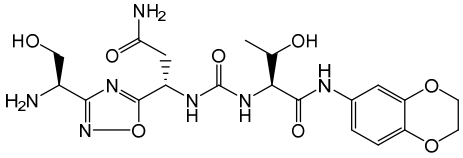
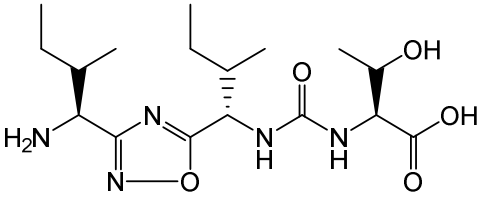
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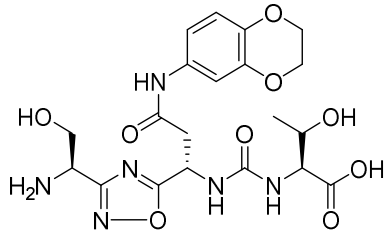
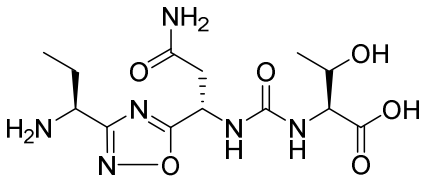
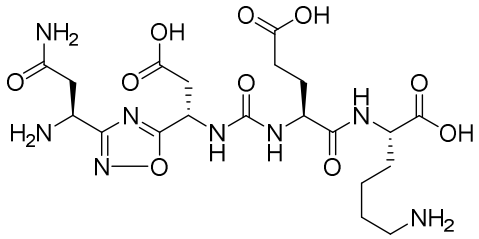
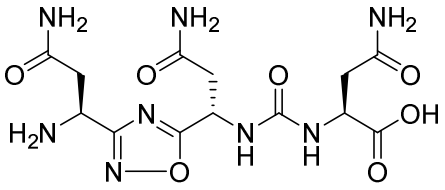
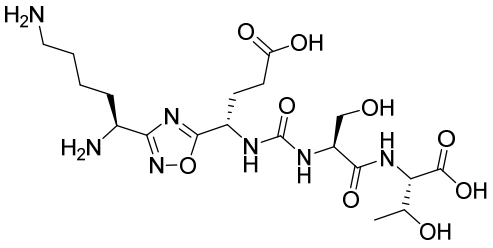
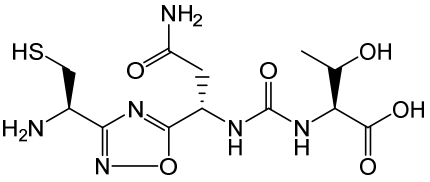
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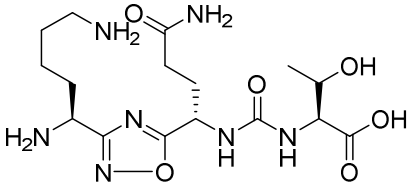
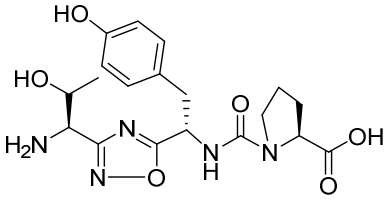
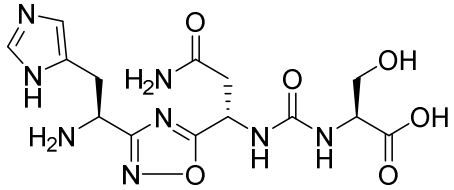
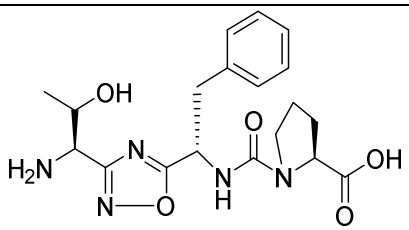
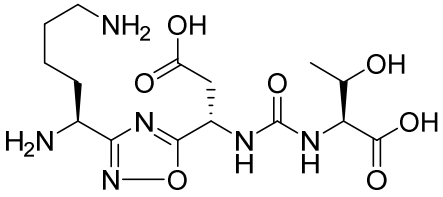
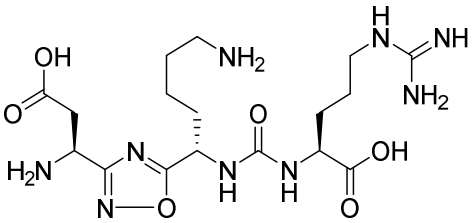
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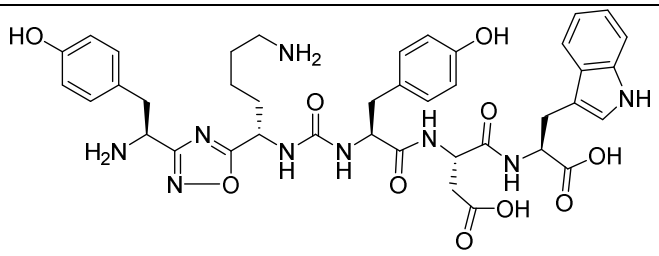
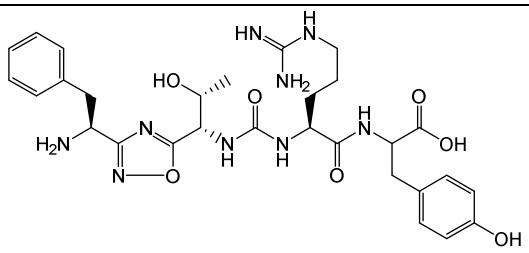
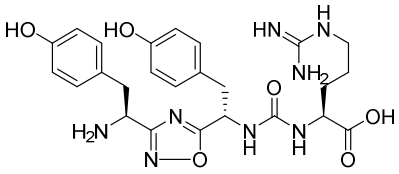
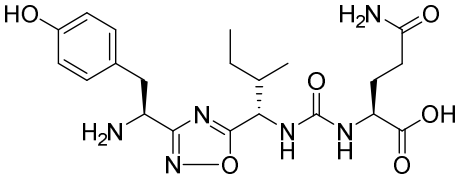
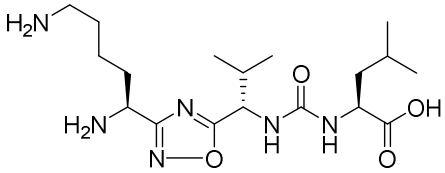
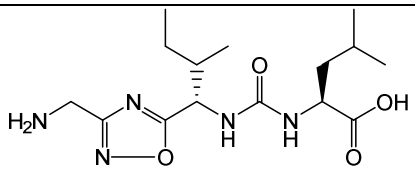
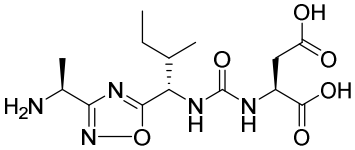
| Compound No. | Structure |
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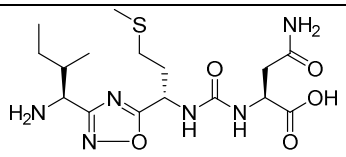
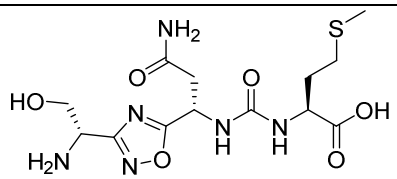
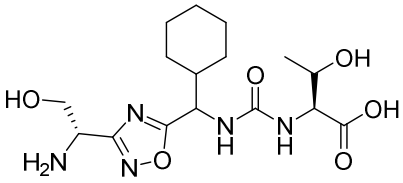
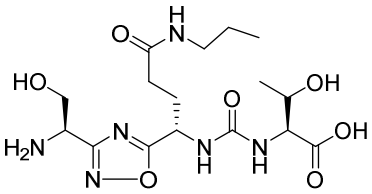
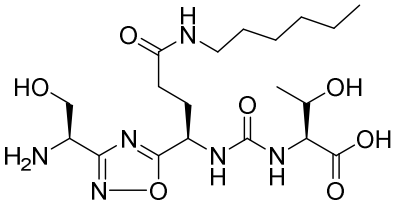
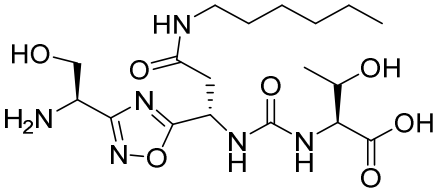
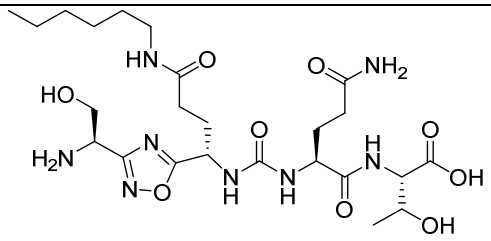
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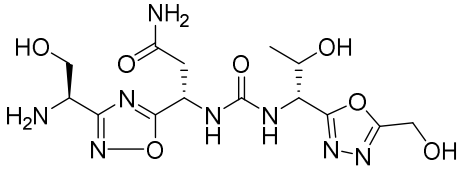
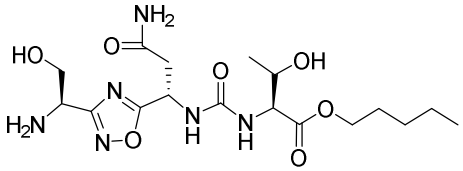
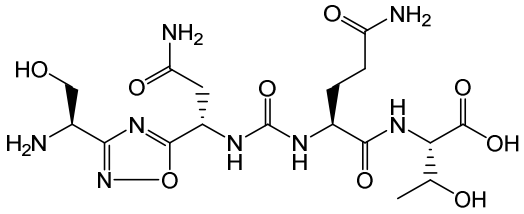
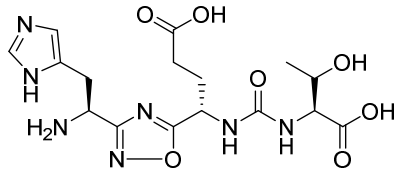
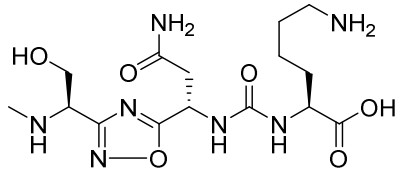
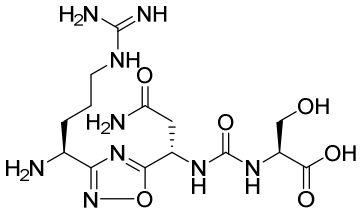
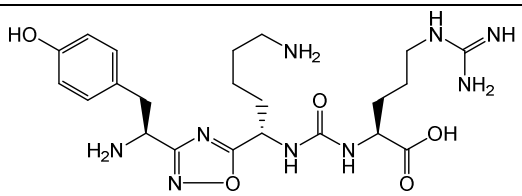
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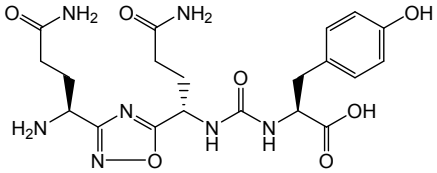
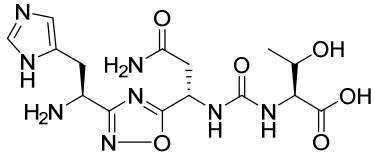
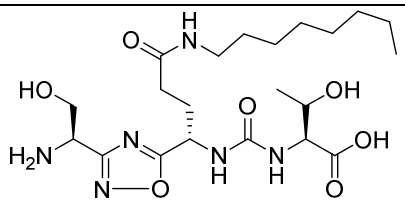
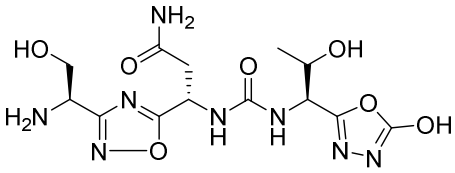
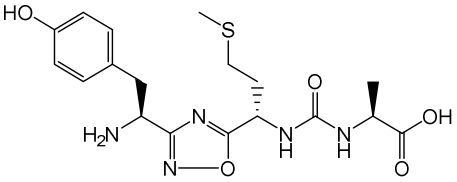
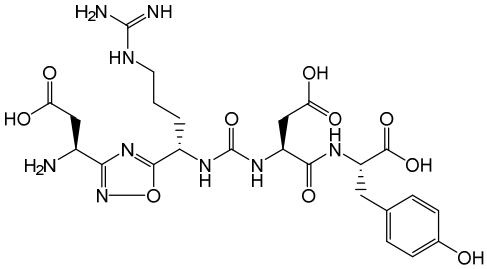
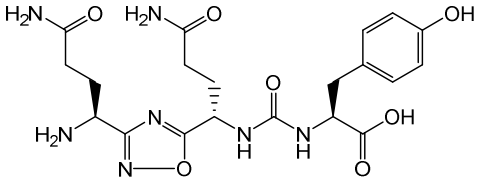
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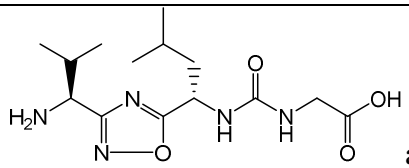
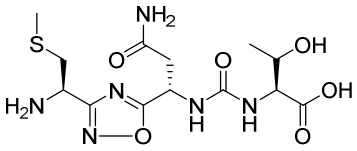
| Compound No. | Structure |
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| Compound No. | Structure |
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| Compound No. | Structure |
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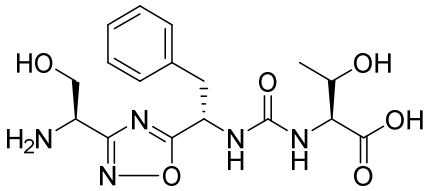
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| Compound No. | Structure |
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| Compound No. | Structure |
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| 117 |  and |
| 118 |  |

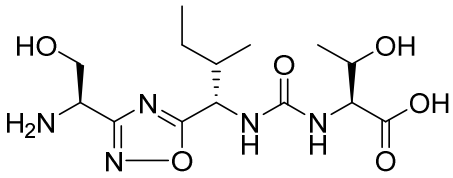
or a pharmaceutically acceptable salt thereof.

19. The compound of claim 1, wherein the compound is



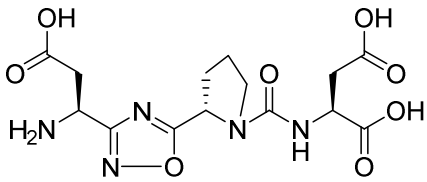
or a pharmaceutically acceptable salt thereof.

20. The compound of claim 1, wherein the compound is



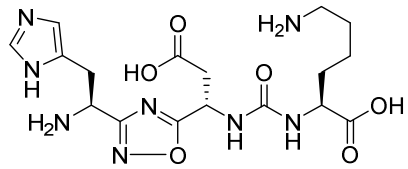
or a pharmaceutically acceptable salt thereof.

21. The compound of claim 1, wherein the compound is



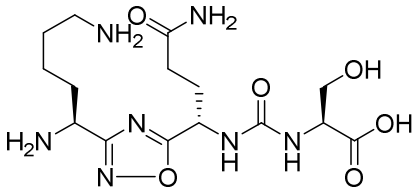
or a pharmaceutically acceptable salt thereof.

22. The compound of claim 1, wherein the compound is



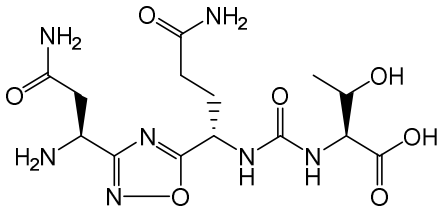
or a pharmaceutically acceptable salt thereof.

23. The compound of claim 1, wherein the compound is



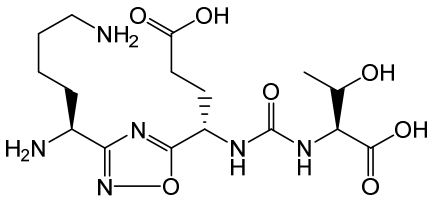
or a pharmaceutically acceptable salt thereof.

24. The compound of claim 1, wherein the compound is



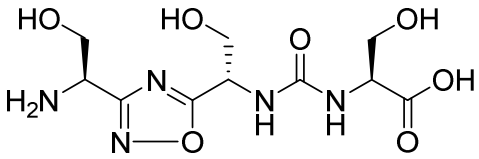
or a pharmaceutically acceptable salt thereof.

25. The compound of claim 1, wherein the compound is



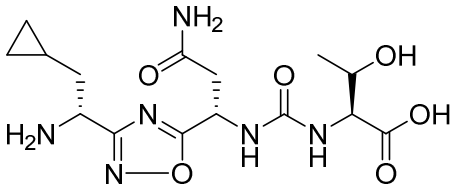
or a pharmaceutically acceptable salt thereof.

26. The compound of claim 1, wherein the compound is



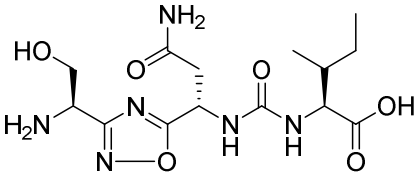
or a pharmaceutically acceptable salt thereof.

27. The compound of claim 1, wherein the compound is



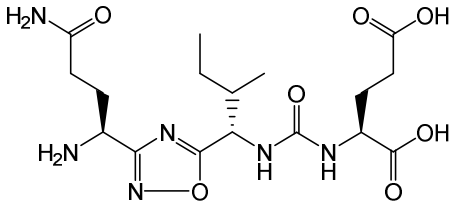
or a pharmaceutically acceptable salt thereof.

28. The compound of claim 1, wherein the compound is



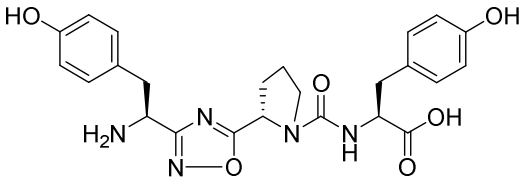
or a pharmaceutically acceptable salt thereof.

29. The compound of claim 1, wherein the compound is



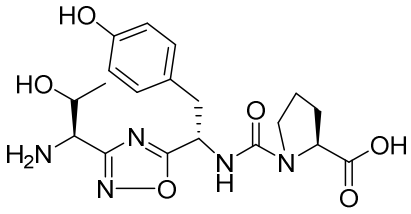
or a pharmaceutically acceptable salt thereof.

30. The compound of claim 1, wherein the compound is



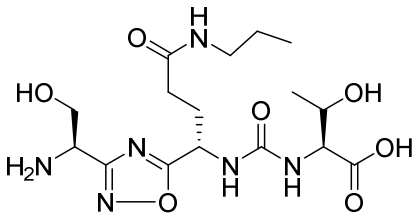
or a pharmaceutically acceptable salt thereof.

31. The compound of claim 1, wherein the compound is



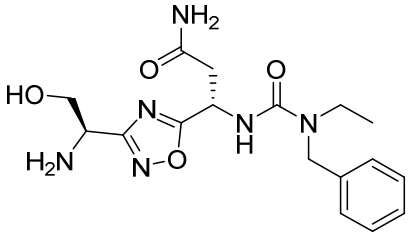
or a pharmaceutically acceptable salt thereof.

32. The compound of claim 1, wherein the compound is



or a pharmaceutically acceptable salt thereof.

33. The compound of claim 1, wherein the compound is



or a pharmaceutically acceptable salt thereof.

34. A pharmaceutical composition comprising a compound of any one of claims 1 to 33, and a pharmaceutically acceptable carrier.

35. Use of a compound of any one of claims 1 to 33 in the manufacture of a medicament for the treatment of cancer.

36. The use of claim 35, wherein the cancer is selected from lung cancer, breast cancer, colon cancer, renal cancer, bladder cancer, thyroid cancer, prostate cancer, osteosarcoma and Hodgkin's lymphoma.

37. Use of a compound of any one of claims 1 to 33, in the manufacture of a medicament for the treatment of bacterial infection, a viral infection, a fungal infection, or an immunological condition.