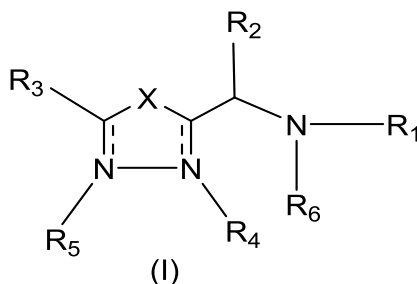


Claims

1. A compound of formula (I):



or a pharmaceutically acceptable salt thereof;

wherein,

X is O;

each dotted line [----] represents an optional bond;

R₁ is hydrogen or -CO-Aaa;

R₂ is (C₁-C₃)alkyl optionally substituted with one or more substituents selected from
carboxylic acid or amido;

R₃ is aryl, heterocyclyl, heteroaryl or cycloalkyl; wherein the aryl, heterocyclyl, cycloalkyl
or heteroaryl is optionally substituted by 1 to 4 occurrences of R_d;

each of R₄ and R₅ independently is hydrogen or absent;

R₆ is hydrogen or alkyl;

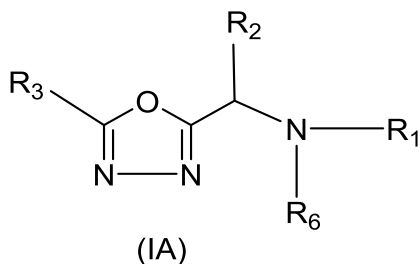
or R₆ and R₂, together with the atoms to which they are attached, form pyrrolidine or
piperidine which is optionally substituted with one or more moieties independently
selected from hydroxyl, halo, amino, cyano and alkyl;

Aaa represents an amino acid residue; and

R_d, independently for each occurrence, is alkyl, alkoxy, halo, hydroxyl, amino, -C(O)OH,
arylalkyl, aryl, alkoxy, heterocyclyl, heterocyclylalkyl, heteroarylalkyl, heteroaryl,
cycloalkyl, (cycloalkyl)alkyl, hydroxyalkyl, alkoxyalkyl or acyl; or

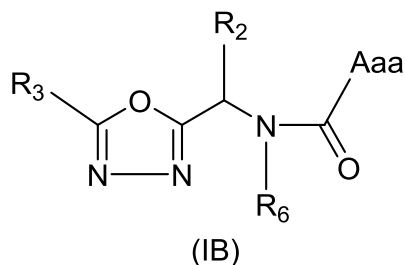
any two R_d groups attached to the same carbon atom together represent an oxo (=O) or
thioxo (=S).

2. The compound of claim 1, wherein the compound is represented by formula (IA):



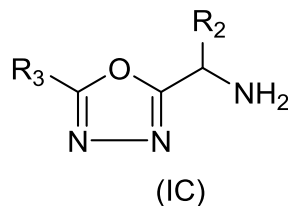
or a pharmaceutically acceptable salt thereof.

3. The compound of claim 1 or 2, wherein R₆ is hydrogen.
4. The compound of any one of claims 1 to 3, wherein the compound is represented by formula (IB):



or a pharmaceutically acceptable salt thereof.

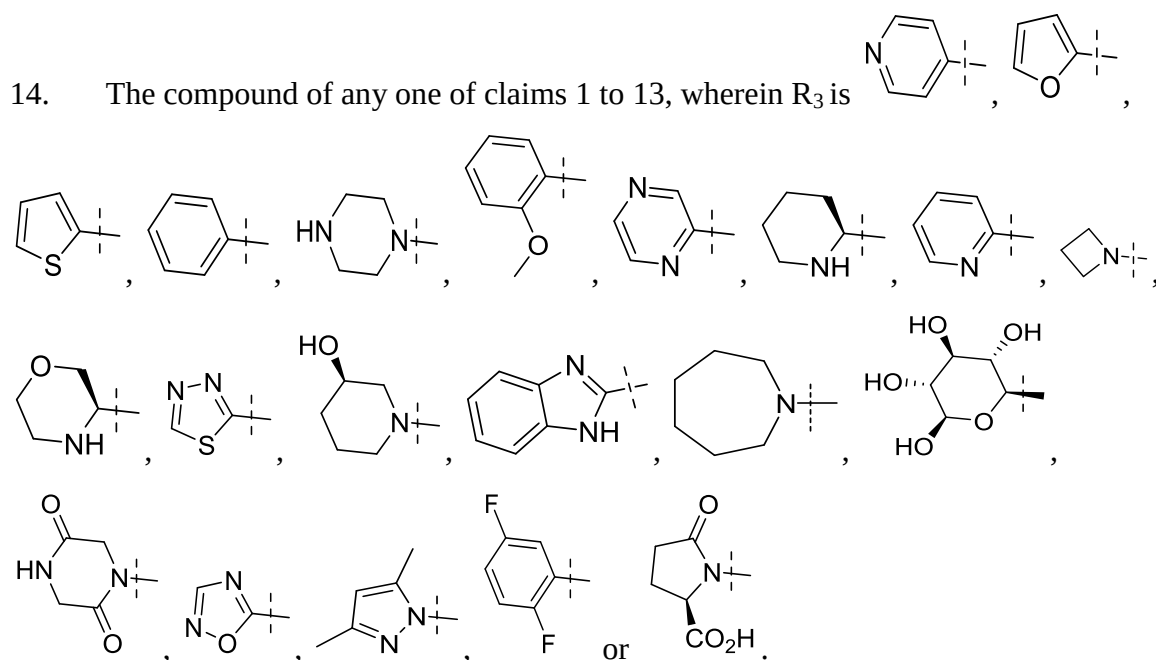
5. The compound of any one of claims 1 to 4, wherein Aaa is Ser, Ala, Lys, Thr or Met.
6. The compound of claim 1, wherein the compound is represented by formula (IC):



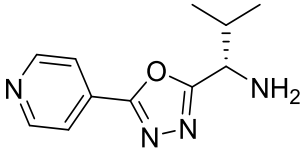
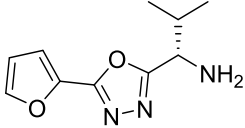
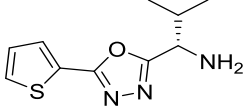
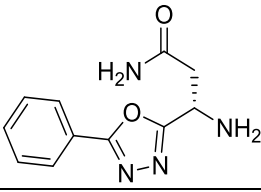
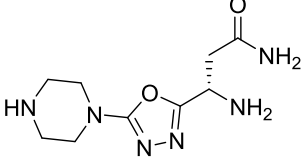
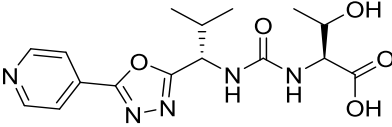
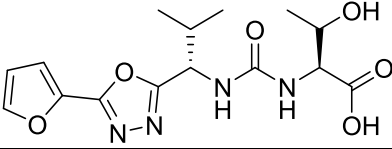
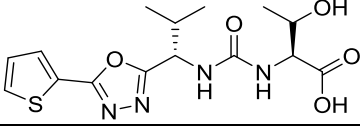
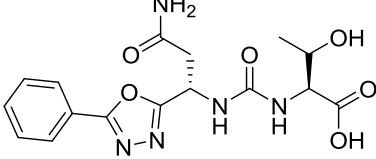
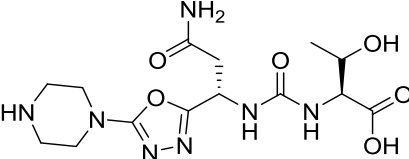
or a pharmaceutically acceptable salt thereof.

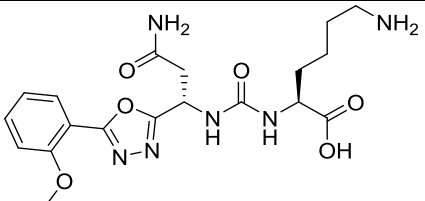
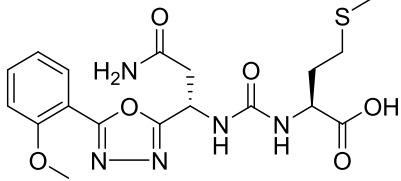
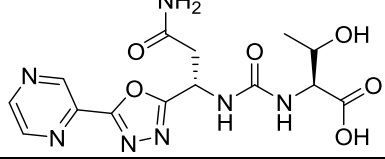
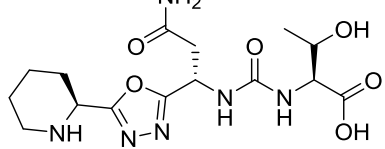
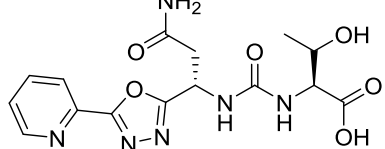
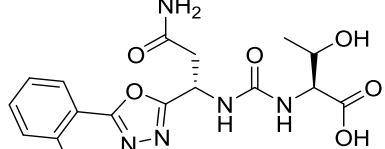
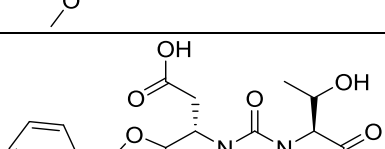
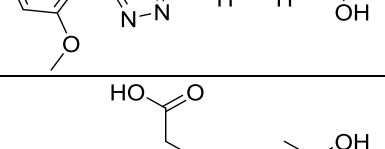
7. The compound of any one of claims 1 to 6, wherein R₂ is (C₁-C₃)alkyl substituted by one or more substituents selected from carboxylic acid and amido.

8. The compound of any one of claims 1 to 7, wherein R_2 is (C_1-C_3) alkyl substituted with a carboxylic acid or amido.
9. The compound of any one of claims 1 to 8, wherein R_2 is $-\text{CH}(\text{CH}_3)_2$, $-(\text{CH}_2)\text{COOH}$, $-(\text{CH}_2)_2\text{COOH}$, $-(\text{CH}_2)\text{CONH}_2$, or $-(\text{CH}_2)_2\text{CONH}_2$.
10. The compound of any one of claims 1 to 9, wherein R_2 is $-(\text{CH}_2)\text{COOH}$ or $-(\text{CH}_2)\text{CONH}_2$.
11. The compound of any one of claims 1 to 10, wherein R_3 is aryl, heterocyclyl or heteroaryl, optionally substituted by 1 to 4 occurrences of R_d .
12. The compound of any one of claims 1 to 11, wherein R_d is alkyl, alkoxy, halo, hydroxyl, amino, $-\text{C}(\text{O})\text{OH}$, aralkyl, aryl, alkoxy, heteroaralkyl, heteroaryl, cycloalkyl, (cycloalkyl)alkyl, hydroxyalkyl, alkoxyalkyl or acyl.
13. The compound of any one of claims 1 to 11, wherein any two R_d groups attached to the same carbon atom together represent an oxo ($=\text{O}$) or thioxo ($=\text{S}$).

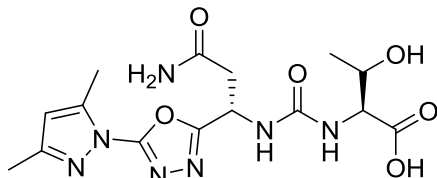
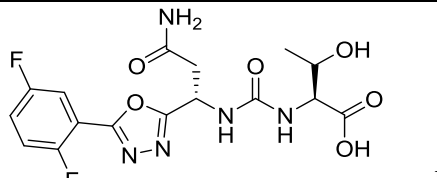
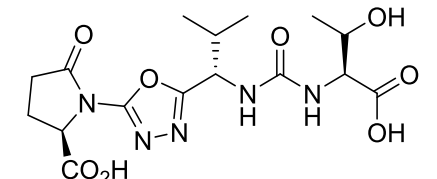


15. A compound selected from:

Compound No.	Structure
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

Compound No.	Structure
11	
12	
13	
14	
15	
16	
17	
18	

Compound No.	Structure
19	
20	
21	
22	
23	
24	
25	
26	
27	

Compound No.	Structure
28	
29	 and
30	

or a pharmaceutically acceptable salt thereof.

16. A pharmaceutical composition comprising a compound of any one of claims 1 to 15 and a pharmaceutically acceptable carrier.
17. Use of a compound of any one of claims 1 to 15 in the manufacture of a medicament for the treatment of cancer.
18. The use of claim 17, 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.
19. Use of a compound of any one of claims 1 to 15 in the manufacture of a medicament for the treatment of a bacterial infection, a viral infection, a fungal infection, or an immunological condition.