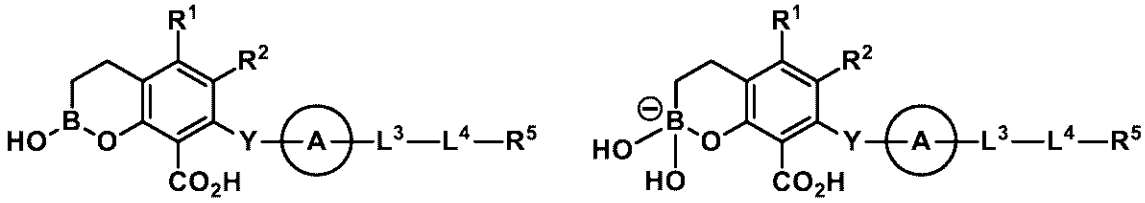
[Claims]

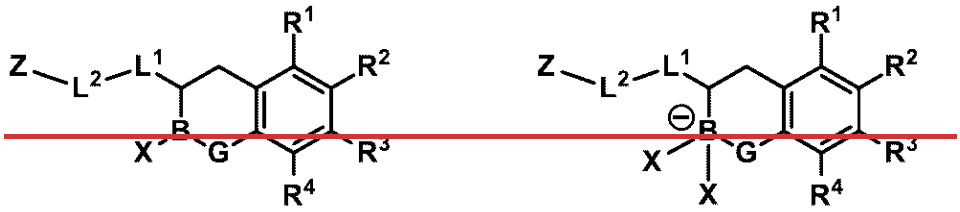
[Claim 1]

A compound represented by formula (51a) or (51b):



(5a) (5b)

~~[Chemical Formula 827]~~



(1a) (1b)

or a pharmaceutically acceptable salt thereof,

wherein

~~C is an oxygen atom, a sulfur atom, or $-NR^{a1}-$,~~

~~X is a hydroxyl group, an optionally substituted C_{1-6} alkoxy group, or $-NR^{a2}R^{b1}$,~~

~~R^{a1}, R^{a2}, and R^{b1} are the same or different, each independently~~

~~1) a hydrogen atom,~~

~~2) a C_{1-6} alkyl group,~~

~~3) a C_{3-10} alicyclic group,~~

~~4) C_{6-10} aryl~~

~~5) 5- or 6-membered heteroaryl,~~

~~6) a 4- to 10-membered non-aryl heterocycle,~~

~~7) a C_{1-6} alkylcarbonyl group,~~

~~8) a C_{3-10} alicyclic carbonyl group,~~

~~9) a C_{6-10} arylcarbonyl group,~~

~~10) a 5- or 6-membered heteroarylcarbonyl group,~~

~~11) a C_{1-6} alkylsulfonyl group,~~

~~12) a C_{3-10} alicyclic sulfonyl group,~~

~~13) a C_{6-10} arylsulfonyl group,~~

14) a 5- or 6-membered heteroarylsulfonyl group, or
15) $-OR^{c1}$,
(wherein each substituent from 2) to 14) is optionally substituted),
wherein R^{a2} and R^{b1} together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl heterocycle,
R^{c1} is
1) a hydrogen atom,
2) a C_{1-6} alkyl group,
3) a C_{3-10} alicyclic group,
4) C_{6-10} aryl,
5) 5- or 6-membered heteroaryl, or
6) a 4- to 10-membered non-aryl heterocycle,
(wherein each substituent from 2) to 6) is optionally substituted),
L^1 is a single bond, an oxygen atom, a sulfur atom, $-SO-$, $-SO_2-$, $-NR^d-$, $-NR^dC(=O)-$, or $-NR^dSO_2-$,
L^2 is a single bond or an optionally substituted C_{1-6} alkylene group,
Z is
1) a hydrogen atom,
2) a hydroxyl group,
3) a cyano group,
4) a carboxyl group,
5) a C_{3-10} alicyclic group,
6) C_{6-10} aryl,
7) 5- or 6-membered heteroaryl,
8) a 4- to 10-membered non-aryl heterocycle,
9) a C_{1-6} alkoxy group,
10) a C_{3-10} alicyclic oxy group,
11) a C_{6-10} aryloxy group,
12) a 5- or 6-membered heteroaryloxy group,
13) a 4- to 10-membered non-aryl heterocyclyl oxy group,
14) a C_{1-6} alkylthio group,
15) a C_{3-10} alicyclic thio group,

16) a C_{6-10} arylthio group,

17) a 5- or 6-membered heteroarylthio group,

18) a 4- to 10-membered non-aryl heterocyclyl thio group, (wherein each substituent from 5) to 18) is optionally substituted),

19) $-SO_2-NR^{e1}R^{f1}$,

20) $-NR^{e1}-C(=O)OR^{f1}$,

21) $-NR^{g1}-C(=O)NR^{e1}R^{f1}$,

22) $-NR^{e1}-C(=S)R^{f1}$,

23) $-NR^{e1}-C(=S)OR^{f1}$,

24) $-NR^{g1}-C(=S)NR^{e1}R^{f1}$,

25) $-NR^{g1}-CR^{e1}(=NR^{f1})$,

26) $-NR^{g1}-CR^{e1}(=N-OR^{f1})$,

27) $-NR^{h1}-C(=NR^{g1})NR^{e1}R^{f1}$,

28) $-NR^{h1}-C(=N-OR^{g1})NR^{e1}R^{f1}$,

29) $-NR^{i1}-C(=NR^{h1})NR^{g1}-NR^{e1}R^{f1}$,

30) $-NR^{i1}-C(=N-OR^{h1})NR^{g1}-NR^{e1}R^{f1}$,

31) $-NR^{e1}-SO_2-R^{f1}$,

32) $-NR^{g1}-SO_2-NR^{e1}R^{f1}$,

33) $-C(=O)OR^{e1}$,

34) $-C(=S)OR^{e1}$,

35) $-C(=S)NR^{e1}R^{f1}$,

36) $-C(=S)NR^{e1}OR^{f1}$,

37) $-C(=S)NR^{g1}-NR^{e1}R^{f1}$,

38) $-C(=NR^{e1})R^{f1}$,

39) $-C(=N-OR^{e1})R^{f1}$,

40) $-C(=NR^{h1})NR^{g1}-NR^{e1}R^{f1}$,

41) $-C(=N-OR^{h1})NR^{g1}-NR^{e1}R^{f1}$,

42) $-NR^{e1}R^{f1}$,

43) $-NR^{g1}-NR^{e1}R^{f1}$,

44) $-NR^{e1}OR^{f1}$,

45) $-NR^{e1}-C(=O)R^{f1}$,

46) $-C(=O)NR^{e1}R^{f1}$,

47) $-C(=O)NR^{e1}OR^{f1}$,

48) $-C(=O)NR^{g1}-NR^{e1}R^{f1}$,

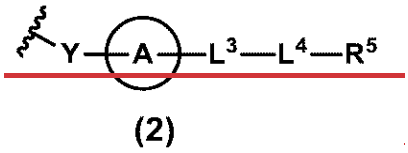
49) $-C(=O)R^{e1}$,

~~50) $-C(=NR^{g1})NR^{e1}R^{f1}$, or~~

~~51) $-C(=N-OR^{h1})NR^{e1}R^{f1}$,~~

~~one of R^1, R^2, and R^3 is a group represented by formula (2):~~

~~[Chemical Formula 828]~~



(2)

~~wherein~~

Y is an oxygen atom, ~~a sulfur atom, or $-NR^j-$,~~

ring A is an optionally substituted 4- to 20-membered non-aryl heterocycle,

L^3 is $-C(=O)-$, ~~$-S(=O)-$, or $-S(=O)_2-$,~~

L^4 is

1) a single bond,
2) a C_{1-6} alkylene group,
3) a C_{3-10} cycloalkylene group,
4) a C_{6-10} arylene group,
5) a 5- or 6-membered heteroarylene group,
6) a 4- to 10-membered non-aryl heterocyclylene group, or
7) $-C(=N-OR^{h1})-$,
8) $-CD(NH_2)-$ wherein D represents a heavy hydrogen atom,

~~(~~wherein each substituent from 2) to 6~~)~~ is optionally substituted), and

R^5 is

1) a hydrogen atom,
2) a C_{1-6} alkyl group,
3) a C_{3-10} alicyclic group,
4) a 4- to 10-membered non-aryl heterocycle,
5) C_{6-10} aryl,
6) 5- or 6-membered heteroaryl,
7) a C_{1-6} alkylthio group,

~~(~~wherein each substituent from 2) to 7) is optionally substituted~~)~~, or

8) $-NR^{e1}OH$,

~~the remaining two (without the structure of formula (2) among~~ R^1~~,~~ and R^2~~, and R^3)~~ are the same or different, each independently a hydrogen atom, a halogen atom, an optionally substituted C_{1-6} alkyl group, an optionally substituted C_{1-6} alkoxy group, an optionally substituted C_{1-6} alkylthio group, an optionally substituted 5- or 6-membered heteroaryl, or $-NR^{a3}R^{b2}$,

~~R^d, R^{e1}, R^{e2}, R^{f1}, R^{f2}, R^{g1}, R^{g2}, R^{h1}, R^{h2}, R^{i1}, R^{i2}, and R^j are is the same or different, each independently~~ a hydrogen atom, an optionally substituted C_{1-6} alkyl group, an optionally substituted C_{3-10} alicyclic group, an optionally substituted C_{6-10} aryl, an optionally substituted 5- or 6-membered heteroaryl, or an optionally substituted 4- to 10-membered non-aryl heterocycle,

~~a combination of R^{e1} and R^{f1} or R^{e2} and R^{f2}, when attached to the same nitrogen atom, together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl heterocycle,~~

~~R^4 is~~

~~1) $-C(=O)R^8$,~~

~~2) $-SO_2-L^6-R^8$,~~

~~(wherein R^8 in 1) and 2) is $-NR^{a5}R^{b4}$, $-NR^{a5}-L^7-B(OR^{m1})_2$, $-OR^{m1}$, or an optionally substituted C_{1-6} alkyl group, and L^6 is a single bond or $-NR^{a6}-$),~~

~~3) $-NR^{a4}R^{b3}$,~~

~~4) $-B(OR^{m1})_2$,~~

~~5) $-PO(OR^{m1})(OR^{m2})$,~~

~~6) optionally substituted 5-membered heteroaryl,~~

~~7) an optionally substituted 5-membered non-aryl heterocycle, or~~

~~8) a bioisostere of one of 1) to 7),~~

~~(wherein the formulas of 2), 4), 5), and 6) include a carboxylic acid isostere, and 8) may include them in duplicates),~~

R^{a3}~~, R^{a4}, R^{a5}, R^{a6}, R^{b2}, R^{b3}, and R^{b4}~~ is are the same or ~~different, each independently having the same definition as~~

~~R^{a1}, R^{a2}, and R^{b1}, wherein a combination of R^{a3} and R^{b2}, R^{a4} and R^{b3}, or R^{a5} and R^{b4}, when attached to the same nitrogen atom, together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl heterocycle,~~

~~R^{m1} is~~

1) a hydrogen atom,
2) a C_{1-6} alkyl group,
3) a C_{3-10} alicyclic group,
4) C_{6-10} aryl,
5) 5- or 6-membered heteroaryl, ~~or~~
6) a 4- to 10-membered non-aryl heterocycle,

~~(wherein each substituent from 2) to 6) is optionally substituted),~~

7) a C_{1-6} alkylcarbonyl group,
8) a C_{3-10} alicyclic carbonyl group,
9) a C_{6-10} arylcarbonyl group,
10) a 5- or 6-membered heteroarylcarbonyl group,
11) a C_{4-6} alkylsulfonyl group,
12) a C_{3-10} alicyclic sulfonyl group,
13) a C_{6-10} arylsulfonyl group,
14) a 5- or 6-membered heteroarylsulfonyl group, or
15) $-OR^{c1}$,

wherein each substituent from 2) to 14) is optionally substituted,

R^{c1} is

1) a hydrogen atom,
2) a C_{1-6} alkyl group,
3) a C_{3-10} alicyclic group,
4) C_{6-10} aryl,
5) 5- or 6-membered heteroaryl, or
6) a 4- to 10-membered non-aryl heterocycle,

wherein each substituent from 2) to 6) is optionally substituted,

wherein a combination of R^{a3} and R^{b2} when attached to the same nitrogen atom, together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl

heterocycle.~~,~~

~~wherein if R^{m1} is attached to a boron atom via an oxygen atom, two R^{m1}, as C_{2-4} alkylene, together with the boron atom and two oxygen atoms, may form a 5- to 7-membered non-aryl heterocycle (wherein an alkylene moiety is optionally substituted in the non-aryl heterocycle),~~

~~R^{m2} is a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally substituted C_{3-10} alicyclic group, and~~

~~L^7 is an optionally substituted C_{1-3} alkylene group.~~

[Claim 2]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein

R^1 and R^2 are the same or different, each independently a hydrogen atom, a halogen atom, a C_{1-6} alkyl group, or a C_{1-6} alkoxy group, wherein the C_{1-6} alkyl group and the C_{1-6} alkoxy group are optionally substituted with 1 to 5 halogen atoms~~L^1 is a single bond, a sulfur atom, $-NR^dC(=O)-$, or $-NR^dSO_2-$,~~

~~L^2 is a single bond or an optionally substituted C_{1-6} alkylene group, and~~

~~Z is~~

~~1) a hydrogen atom,~~

~~2) a hydroxyl group,~~

~~3) a C_{3-10} alicyclic group,~~

~~4) C_{6-10} aryl,~~

~~5) 5- or 6-membered heteroaryl,~~

~~6) a 4- to 10-membered non-aryl heterocycle,~~

~~7) $-C(=N-OR^{e1})R^{f1}$, or~~

~~8) $-NR^{e1}R^{f1}$~~.

[Claim 3]

The compound or the pharmaceutically acceptable salt thereof according to claim 1~~ or 2~~, wherein

ring A is an optionally substituted 4- to 10-membered non-aryl heterocycle~~Z-L^2-L^1 is a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally~~

~~substituted C_{1-6} alkylthio group~~.

[Claim 4]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 3~~, wherein ring A is an optionally substituted 4- to 7-membered non-aryl heterocycle~~Z-L^2-L^1 is a hydrogen atom~~.

[Claim 5]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 4~~, wherein ring A is an optionally substituted 4- to 6-membered nitrogen-containing non-aryl heterocycle~~G is an oxygen atom~~.

[Claim 6]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 5~~, wherein L^4 is a single bond, -C(=N-OR^{h1})-, or an optionally substituted C_{1-6} alkylene group, wherein R^{h1} is an optionally substituted C_{1-6} alkyl group~~.~~

~~X is a hydroxyl group or an optionally substituted C_{1-6} alkoxy group~~.

[Claim 7]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of the preceding~~ claim~~s~~ 1, wherein R^1 and R^2 are the same or different, each independently selected from the group consisting of

1) a hydrogen atom,

2) a halogen atom,

3) a C_{1-6} alkyl group,

4) a C_{1-6} alkoxy group, and

5) a C_{1-6} alklthio group,

wherein each substituent from 3) to 5) is optionally substituted~~X is a hydroxyl group~~.

[Claim 8]

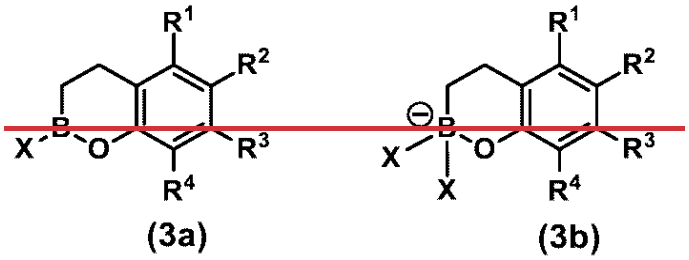
The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 7~~, wherein ~~-~~R^1 and R^2 are the same or different, each independently selected from the group consisting of

1) a hydrogen atom,

2) a halogen atom, and

3) an optionally substituted C_{1-6} alkyl group.~~the compounds of formulas (1a) and (1b) are represented by formulas (3a) and (3b), respectively:~~

~~[Chemical Formula 829]~~



~~wherein X, R^1, R^2, and R^3 are defined the same as any one of claims 1 to 7, and~~

~~R^4 is selected from the group consisting of~~

~~1) $-COOR^{m1}$ (wherein R^{m1} is a hydrogen atom, a C_{1-6} alkyl group, a C_{3-10} alicyclic group, C_{6-10} aryl, 5- or 6-membered heteroaryl, or a 4- to 10-membered non-aryl heterocycle, wherein the C_{1-6} alkyl group, the C_{3-10} alicyclic group, the C_{6-10} aryl, the 5- or 6-membered heteroaryl, and the 4- to 10-membered non-aryl heterocycle are each optionally substituted), and~~

~~2) a bioisostere of 1).~~

[Claim 9]

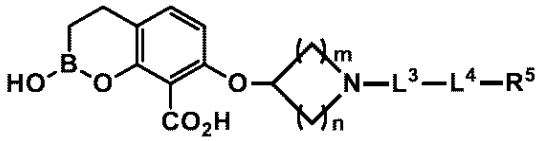
The compound or the pharmaceutically acceptable salt thereof according to claim 1~~8~~, wherein R^1 and R^2 are both hydrogen atoms~~R^4 is~~

~~1) —COOH (i.e., a carboxyl group), or~~

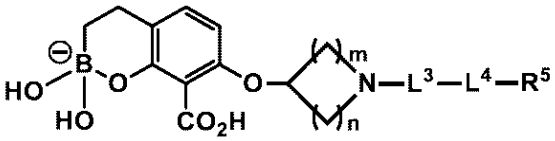
~~2) a carboxylic acid isostere~~.

[Claim 10]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s 1 to~~ 9, wherein the compounds of formulas (5~~1~~a) and (5~~1~~b) ~~or the compounds of formulas (3a) and (3b)~~ are represented by formulas (~~4a~~6a) and (~~4b~~6b), respectively:

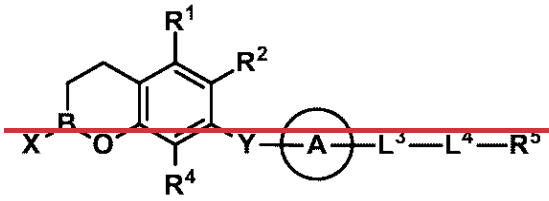


(6a)

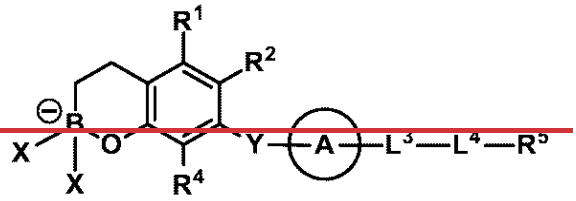


(6b)

[Chemical Formula 830]



(4a)



(4b)

wherein

m is an integer 1, 2, or 3,

n is an integer 1, 2, or 3, and

m + n is 2, 3, or 4

wherein X, R^4, Y, ring A, L^3, L^4, and R^5 are defined the same as any one of claims 1 to 9, and

R^1 and R^2 are the same or different, each independently a hydrogen atom, a halogen atom, a C_{1-6} alkyl group, or a C_{1-6} alkoxy group (wherein the C_{1-6} alkyl group and the C_{1-6} alkoxy group are optionally substituted with 1 to 5 halogen atoms).

[Claim 11]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 10, wherein m is 1 or 2, n is 1 or 2, and m + n is 2 or 3ring A is an optionally substituted 4- to 10-membered non-aryl heterocycle.

[Claim 12]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 11, wherein m is 1 and n is 1ring A is an optionally substituted 4- to 7-membered non-aryl heterocycle.

[Claim 13]

The compound or the pharmaceutically acceptable salt

thereof according to ~~any one of~~ claim~~s~~ 1~~ to 12~~, wherein wherein L^4 is a single bond,~~Y is an oxygen atom or a sulfur atom~~or a C_{1-6} alkylene group optionally substituted with -$NR^{21}R^{22}$ or =NOR^{23}, wherein R^{21}, R^{22}, and R^{23} are each independently a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally substituted 4- to 10-membered non-aryl heterocyclyl carbonyl group.

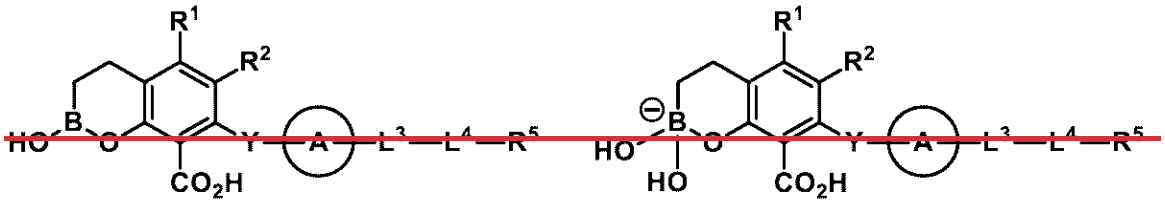
[Claim 14]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claims ~~1 to~~ 13, wherein L^4 is a single bond, -CH_2-, -$CH(NH_2)$-, or -$CH(NH_2)$-CH_2-, wherein if an amino group is present in L^4, carbon that attaches to the amino group attaches to L^3~~wherein Y is an oxygen atom~~.

[Claim 15]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~3 to 14~~, wherein wherein L^4 is a single bond, -CH_2-, -$CMe(NH_2)$-, -$CH(NHMe)$-, -$CD(NH_2)$-, wherein D represents a heavy hydrogen atom, -$CH(NH_2)$-, or -CH_2CH_2-~~the compounds of formulas (1a) and (1b), the compounds of formulas (3a) and (3b), or the compounds of formulas (4a) and (4b) are represented by formulas (5a) and (5b), respectively:~~

~~[Chemical Formula 831]~~



(5a) (5b)

~~wherein ring A is an optionally substituted 4- to 6-membered nitrogen-containing non-aryl heterocycle~~.

[Claim 16]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s 1 to~~ 15, wherein L^4 is a single bond, -CH_2-, or -$CH(NH_2)$-~~L^3 is -C(=O)- or -~~

~~S(=O)$_2$-~~.

[Claim 17]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one~~ claim~~s~~ 1~~ to 16~~, wherein R^5 is a hydrogen atom, an optionally substituted C_{1-6} alkyl group, an optionally substituted 4- to 10-membered non-aryl heterocycle, an optionally substituted C_{6-10} aryl, an optionally substituted 5- or 6-membered heteroaryl, an optionally substituted C_{1-6} alkylthio group, or $-NR^{e1}OH$, wherein R^{e1} is a hydrogen atom or an optionally substituted C_{1-6} alkyl group ~~L^3 is -C(=O)-~~.

[Claim 18]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s 1 to~~ 17, wherein R^5 is an optionally substituted 5- or 6-membered heteroaryl or an optionally substituted C_{6-10} aryl~~L^4 is a single bond, -C(=N-OR^{h1})-, or an optionally substituted C_{1-6} alkylene group, wherein R^{h1} is an optionally substituted C_{1-6} alkyl group~~.

[Claim 19]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 17~~ to 18~~, wherein R^5 is an optionally substituted 5- or 6-membered heteroaryl~~R^1 and R^2 are the same or different, each independently selected from the group consisting of~~

~~1) a hydrogen atom,~~

~~2) a halogen atom,~~

~~3) a C_{1-6} alkyl group,~~

~~4) a C_{1-6} alkoxy group, and~~

~~5) a C_{1-6} alkylthio group,~~

~~(wherein each substituent from 3) to 5) is optionally substituted)~~.

[Claim 20]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 16~~ to 19~~, wherein R^5 is an optionally substituted 4- to 10-membered non-aryl

heterocycle~~R^1 and R^2 are the same or different, each independently selected from the group consisting of~~

~~1) a hydrogen atom,~~

~~2) a halogen atom, and~~

~~3) an optionally substituted C_{1-6} alkyl group~~.

[Claim 21]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one~~ claim~~s~~ 1~~6 to 20~~, wherein wherein L^4 is a single bond,~~R^1 and R^2 are both hydrogen atoms~~ and R^5 is $-NR^{e1}OH$, wherein R^{e1} is a hydrogen atom or an optionally substituted C_{1-6} alkyl group.

[Claim 22]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 21~~, wherein~~-~~

L^4 is

1) $-(CH_2)_p-CR^{10}(NHR^{11})-$,

2) $-(CH_2)_q-CR^{12}R^{13}-$, or

3) $-(CH_2)_p-CR^{10}(NHR^{11})-(CH_2)_q-CR^{12}R^{13}-$ wherein p and q are independently 0 or 1,

R^{10} is

1) a hydrogen atom,

2) a carboxyl group, or

3) $-C(=O)NR^{10a}R^{10b}$,

R^{11} is

1) a hydrogen atom,

2) $-C(=O)R^{11a}$, or

3) an optionally substituted 5- or 6-membered non-aryl heterocyclyl carbonyl group,

wherein if R^{10} is $-C(=O)NR^{10a}R^{10b}$, R^{10b} and R^{11} together may form $-CH_2CH_2-$,

R^{12} is

1) a hydrogen atom, or

2) an optionally substituted C_{1-4} alkyl group,

R^{13} is

1) a hydrogen atom,

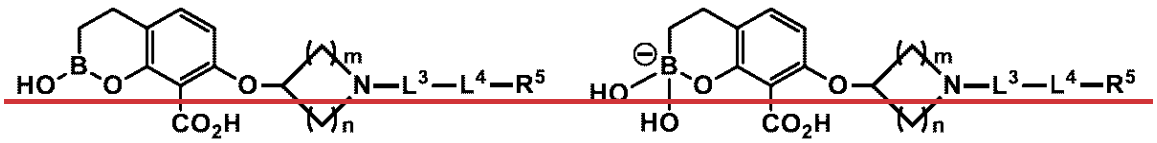
2) a hydroxyl group,

3) an optionally substituted C_{1-6} alkyl group,
4) a sulfanyl group,
5) a carboxyl group,
6) an optionally substituted C_{1-4} alkylthio group,
7) $-NR^{13a}R^{13b}$,
8) $-NR^{13a}-C(=O)R^{13b}$,
9) an optionally substituted 5- or 6-membered non-aryl heterocyclyl carbonylamino group,
10) $-NR^{13a}-C(=O)NR^{13b}R^{13c}$,
11) $-C(=O)NR^{13a}R^{13b}$,
12) $-C(=O)NR^{13a}OR^{13b}$,
13) $-S(=O)_2-R^{13a}$,
14) $-S(=O)_2-NR^{13a}R^{13b}$,
15) $-C(=O)NR^{13a}-S(=O)_2-R^{13b}$, or
16) $-C(=O)NR^{13a}-S(=O)_2-NR^{13b}R^{13c}$, and

R^{10a}, R^{10b}, R^{11a}, R^{13a}, R^{13b}, and R^{13c} are each independently a hydrogen atom or an optionally substituted C_{1-4} alkyl group.

~~the compounds of formulas (1a) and (1b), the compounds of formulas (3a) and (3b), the compounds of formulas (4a) and (4b), or the compounds of formulas (5a) and (5b) are represented by formulas (6a) and (6b), respectively:~~

~~[Chemical Formula 832]~~



(6a) (6b)

~~wherein L^3, L^4, and R^5 are defined the same as any one of claims 1 to 18,~~

~~m is an integer 1, 2, or 3,~~

~~n is an integer 1, 2, or 3, and~~

~~m + n is 2, 3, or 4~~.

[Claim 23]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s 1 to~~ 22, wherein R^5

is a hydrogen atom or an optionally substituted C_{1-4} alkyl group~~m is 1 or 2, n is 1 or 2, and m + n is 2 or 3~~.

~~[Claim 24]~~

~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 23, wherein m is 1 and n is 1.~~

~~[Claim 25]~~

~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 24, wherein L^4 is a single bond, or a C_{1-6} alkylene group optionally substituted with $-NR^{21}R^{22}$ or $=NOR^{23}$, wherein R^{21}, R^{22}, and R^{23} are each independently a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally substituted 4- to 10-membered non-aryl heterocyclyl carbonyl group.~~

~~[Claim 26]~~

~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 25, wherein L^4 is a single bond, $-CH_2-$, $-CH(NH_2)-$, or $-CH(NH_2)-CH_2-$, wherein if an amino group is present in L^4, carbon that attaches to the amino group attaches to L^3.~~

~~[Claim 27]~~

~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 25, wherein L^4 is a single bond, $-CH_2-$, $-CMe(NH_2)-$, $-CH(NHMe)-$, $-CD(NH_2)-$ (wherein D represents a heavy hydrogen atom), $-CH(NH_2)-$, or $-CH_2CH_2-$.~~

~~[Claim 28]~~

~~The compound or the pharmaceutically acceptable salt thereof according to claim 27, wherein L^4 is a single bond, $-CH_2-$, or $-CH(NH_2)-$.~~

~~[Claim 29]~~

~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 28, wherein R^5 is a hydrogen atom, an optionally substituted C_{1-6} alkyl group, an optionally substituted 4- to 10-membered non-aryl heterocycle, optionally substituted C_{6-10} aryl, optionally~~

substituted 5- or 6-membered heteroaryl, an optionally substituted C_{1-6} alkylthio group, or $-NR^{e1}OH$, wherein R^{e1} is a hydrogen atom or an optionally substituted C_{1-6} alkyl group.

[Claim 30]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 29, wherein R^5 is optionally substituted 5- or 6-membered heteroaryl or optionally substituted C_{6-10} aryl.

[Claim 31]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 29, wherein R^5 is optionally substituted 5- or 6-membered heteroaryl.

[Claim 32]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 28, wherein R^5 is an optionally substituted 4- to 10-membered non-aryl heterocycle.

[Claim 33]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 28, wherein L^4 is a single bond, and R^5 is $-NR^{e1}OH$, wherein R^{e1} is a hydrogen atom or an optionally substituted C_{1-6} alkyl group.

[Claim 34]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 24, wherein L^4 is

1) $-(CH_2)_p-CR^{10}(NHR^{11})-$,

2) $-(CH_2)_q-CR^{12}R^{13}-$, or

3) $-(CH_2)_p-CR^{10}(NHR^{11})-(CH_2)_q-CR^{12}R^{13}-$ (wherein p and q are independently 0 or 1),

R^{10} is

1) a hydrogen atom,

2) a carboxyl group, or

3) $-C(=O)NR^{10a}R^{10b}$,

R^{11} is

~~1) a hydrogen atom,~~

~~2) $-C(=O)R^{11a}$, or~~

~~3) an optionally substituted 5- or 6-membered non-aryl heterocyclyl carbonyl group,~~

~~wherein if R^{10} is $-C(=O)NR^{10a}R^{10b}$, R^{10b} and R^{11} together may form $-CH_2CH_2-$,~~

~~R^{12} is~~

~~1) a hydrogen atom, or~~

~~2) an optionally substituted C_{1-4} alkyl group,~~

~~R^{13} is~~

~~1) a hydrogen atom,~~

~~2) a hydroxyl group,~~

~~3) an optionally substituted C_{1-4} alkyl group,~~

~~4) a sulfanyl group,~~

~~5) a carboxyl group,~~

~~6) an optionally substituted C_{1-4} alkylthio group,~~

~~7) $-NR^{13a}R^{13b}$,~~

~~8) $-NR^{13a}-C(=O)R^{13b}$,~~

~~9) an optionally substituted 5- or 6-membered non-aryl heterocyclyl carbonylamino group,~~

~~10) $-NR^{13a}-C(=O)NR^{13b}R^{13c}$,~~

~~11) $-C(=O)NR^{13a}R^{13b}$,~~

~~12) $-C(=O)NR^{13a}OR^{13b}$,~~

~~13) $-S(=O)_2-R^{13a}$,~~

~~14) $-S(=O)_2-NR^{13a}R^{13b}$,~~

~~15) $-C(=O)NR^{13a}-S(=O)_2-R^{13b}$, or~~

~~16) $-C(=O)NR^{13a}-S(=O)_2-NR^{13b}R^{13c}$, and~~

~~R^{10a}, R^{10b}, R^{11a}, R^{13a}, R^{13b}, and R^{13c} are each independently a hydrogen atom or an optionally substituted C_{1-4} alkyl group.~~

~~[Claim 35]~~

~~The compound or the pharmaceutically acceptable salt thereof according to claim 34, wherein R^5 is a hydrogen atom or an optionally substituted C_{1-4} alkyl group.~~

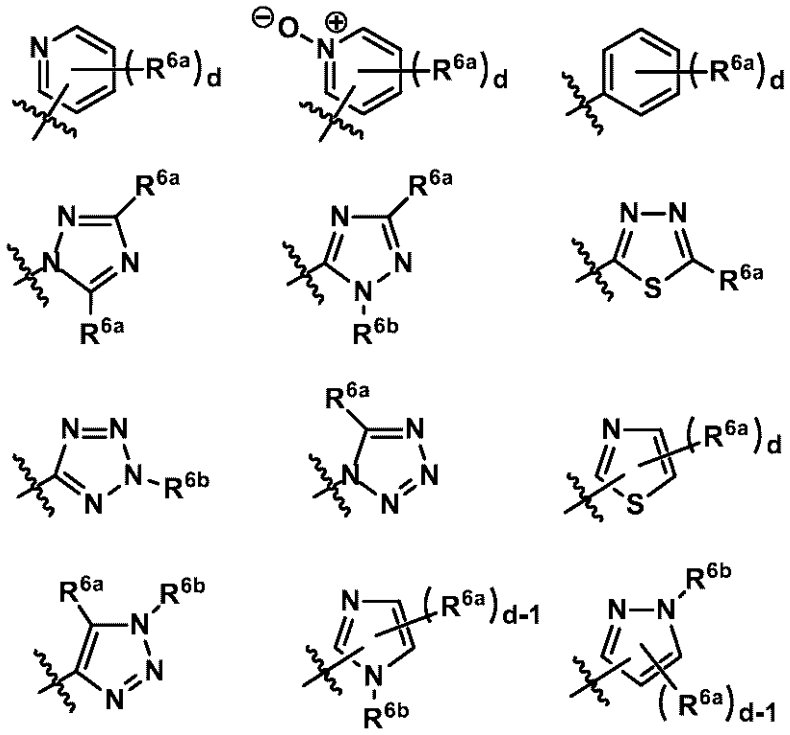
[Claim 24~~36~~]

The compound or the pharmaceutically acceptable salt

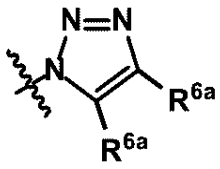
thereof according to ~~any one of~~ claim~~s~~ 1~~9 to 31~~, wherein

R^5 is selected from the group consisting of

~~[Chemical Formula 833]~~



~~[Chemical Formula 834]~~and



,

subscript d is the number of substitutable positions on a ring of R^5,

each R^{6a} is independently selected from the group consisting of

1) a hydrogen atom,
2) a hydroxyl group,
3) a cyano group,
4) a nitro group,
5) halogen,
6) a C_{1-4} alkyl group,
7) a C_{3-10} alicyclic group,
8) a C_{1-4} alkoxy group,

9) a C_{3-10} alicyclic oxy group,
10) a C_{6-10} aryloxy group,
11) a 5- or 6-membered heteroaryloxy group,
12) a 4- to 10-membered non-aryl heterocyclyl oxy group,
(wherein each substituent from 6) to 12) is optionally substituted),
13) $-SO_2-NR^{e2}R^{f2}$,
14) $-NR^{g2}-CR^{e2}(=NR^{f2})$,
15) $-NR^{g2}-CR^{e2}(=N-OR^{f2})$,
16) $-NR^{h2}-C(=NR^{g2})NR^{e2}R^{f2}$,
17) $-NR^{h2}-C(=N-OR^{g2})NR^{e2}R^{f2}$,
18) $-NR^{i2}-C(=NR^{h2})NR^{g2}-NR^{e2}R^{f2}$,
19) $-NR^{i2}-C(=N-OR^{h2})NR^{g2}-NR^{e2}R^{f2}$,
20) $-C(=NR^{e2})R^{f2}$,
21) $-C(=N-OR^{e2})R^{f2}$,
22) $-C(=NR^{h2})-NR^{e2}R^{f2}$,
23) $-C(=NR^{h2})NR^{g2}-NR^{e2}R^{f2}$,
24) $-C(=N-OR^{h2})NR^{g2}-NR^{e2}R^{f2}$,
25) $-NR^{e2}R^{f2}$,
26) $-NR^{g2}-NR^{e2}R^{f2}$,
27) $-NR^{e2}OR^{f2}$,
28) $-NR^{e2}-C(=O)R^{f2}$,
29) $-C(=O)NR^{e2}R^{f2}$,
30) $-C(=O)NR^{e2}OR^{f2}$,
31) $-C(=O)NR^{g2}-NR^{e2}R^{f2}$,
32) $-C(=O)R^{e2}$,
33) $-C(=O)OR^{e2}$, and
34) $-C(=N-OR^{h2})NR^{e2}R^{f2}$, and

each R^{6b} is independently selected from the group consisting of
1) a hydrogen atom,
2) a hydroxyl group,
3) a C_{1-4} alkyl group
(wherein the alkyl group is optionally substituted)
4) a C_{3-10} alicyclic group
(wherein the alicyclic group is optionally substituted),

5) $-C(=NR^{e2})R^{f2}$,

6) $-C(=N-OR^{e2})R^{f2}$,

7) $-SO_2-NR^{e2}R^{f2}$,

8) $-C(=NR^{h2})-NR^{e2}R^{f2}$,

9) $-C(=NR^{h2})NR^{g2}-NR^{e2}R^{f2}$,

10) $-C(=N-OR^{h2})NR^{g2}-NR^{e2}R^{f2}$,

11) $-C(=O)NR^{e2}R^{f2}$,

12) $-C(=O)NR^{e2}OR^{f2}$,

13) $-C(=O)NR^{g2}-NR^{e2}R^{f2}$,

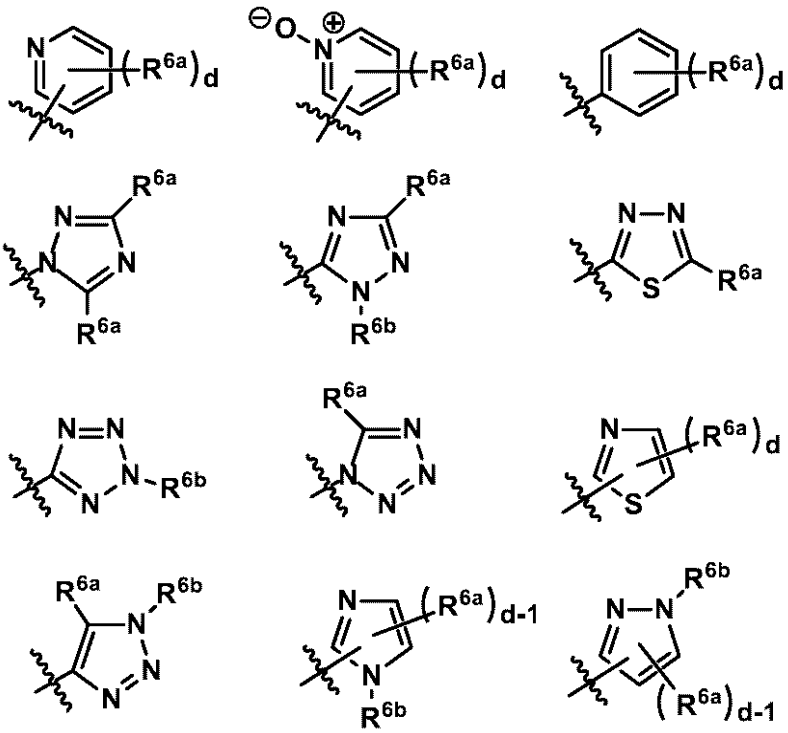
14) $-C(=O)R^{e2}$, and

15) $-C(=N-OR^{h2})NR^{e2}R^{f2}$.

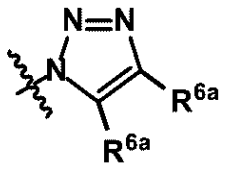
[Claim ~~37~~25]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 24~~1 to 31 and 36~~, wherein R^5 is 5- or 6-membered aryl or heteroaryl selected from the group consisting of

~~[Chemical Formula 835]~~



~~[Chemical Formula 836]~~and



,

subscript d is the number of substitutable positions on a ring of R^5,

each R^{6a} is independently selected from the group consisting of

1) a hydrogen atom,

2) a hydroxyl group,

3) halogen,

4) a C_{1-4}~~—6~~ alkyl group

~~(~~wherein the alkyl group is optionally substituted with $NR^{e2}R^{f2}$, a 5- or 6-membered non-aryl heterocycle, $-C(=O)OR^{f2}$, or a hydroxyl group~~)~~,

5) a C_{1-4} alkoxy group

6) $-NR^{e2}R^{f2}$, and

7) $-C(=O)OR^{e2}$, and

each R^{6b} is independently selected from the group consisting of

1) a hydrogen atom,

2) a hydroxyl group, and

3) a C_{1-4} alkyl group

~~(~~wherein the alkyl group is optionally substituted with $NR^{e2}R^{f2}$, $-C(=O)NR^{e2}R^{f2}$, $-C(=O)OR^{f2}$, or a hydroxyl group~~)~~.

[Claim ~~38~~26]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 25~~1 to 31, 36~~, ~~and 37,~~ wherein R^{e2} and R^{f2} are the same or different, each independently a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally substituted C_{3-10} alicyclic group.

[Claim ~~39~~27]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 26~~1 to 31 and 36 to~~

~~38~~, wherein R^{e2} and R^{f2} are the same or different, each independently a hydrogen atom or an optionally substituted C_{1-6} alkyl group.

[Claim ~~40~~28]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 271 ~~to 31 and 36 to 39~~, wherein R^{e2} and R^{f2} are hydrogen atoms.

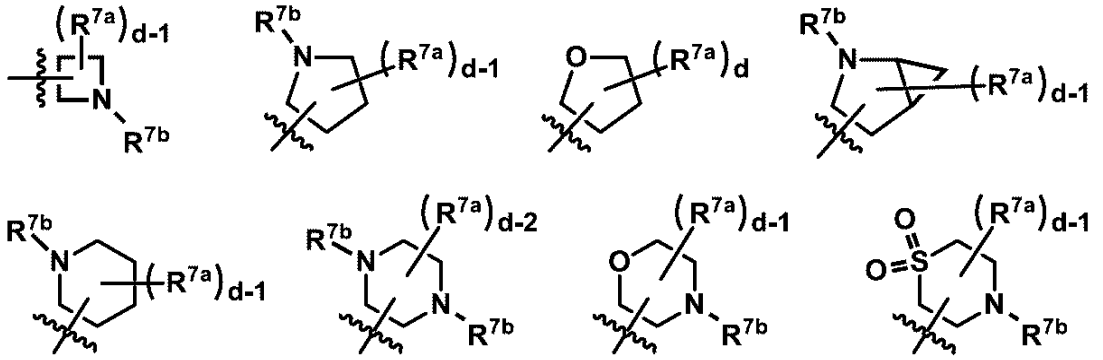
[Claim ~~41~~29]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 2736 ~~to 39~~, wherein R^{6a} is $-NR^{e2}R^{f2}$, and one of R^{e2} and R^{f2} is a hydrogen atom and the other is a C_{1-4} alkyl group (wherein the alkyl group is optionally substituted with an amino group or a hydroxyl group).

[Claim ~~42~~30]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s 1 to~~ 209 ~~and 32~~, wherein R^5 is a 4- to 6-membered non-aryl heterocycle selected from the group consisting of

~~[Chemical Formula 837]~~



,

subscript d is the number of substitutable positions on a ring of R^5,

each R^{7a} is independently selected from the group consisting of

1) a hydrogen atom,
2) a hydroxyl group,
3) a cyano group,
4) halogen,

5) a C_{1-4} alkyl group,
6) a C_{3-10} alicyclic group,
7) a C_{1-4} alkoxy group,
8) a C_{3-10} alicyclic oxy group,
9) a C_{6-10} aryloxy group,
10) a 5- or 6-membered heteroaryloxy group,
11) a 4- to 10-membered non-aryl heterocyclyl oxy group,
(wherein each substituent from 5) to 11) is optionally substituted),
12) $-SO_2-NR^{e3}R^{f3}$,
13) $-NR^{g2}-CR^{e3}(=NR^{f3})$,
14) $-NR^{g2}-CR^{e3}(=N-OR^{f3})$,
15) $-NR^{h2}-C(=NR^{g2})NR^{e3}R^{f3}$,
16) $-NR^{h2}-C(=N-OR^{g2})NR^{e3}R^{f3}$,
17) $-NR^{i2}-C(=NR^{h2})NR^{g2}-NR^{e3}R^{f3}$,
18) $-NR^{i2}-C(=N-OR^{h2})NR^{g2}-NR^{e3}R^{f3}$,
19) $-C(=NR^{e3})R^{f3}$,
20) $-C(=N-OR^{e3})R^{f3}$,
21) $-C(=NR^{h2})-NR^{e3}R^{f3}$,
22) $-C(=NR^{h2})NR^{g2}-NR^{e3}R^{f3}$,
23) $-C(=N-OR^{h2})NR^{g2}-NR^{e3}R^{f3}$,
24) $-NR^{e3}R^{f3}$,
25) $-NR^{g2}-NR^{e3}R^{f3}$,
26) $-NR^{e3}OR^{f3}$,
27) $-NR^{e3}-C(=O)R^{f3}$,
28) $-C(=O)NR^{e3}R^{f3}$,
29) $-C(=O)NR^{e3}OR^{f3}$,
30) $-C(=O)NR^{g2}-NR^{e3}R^{f3}$,
31) $-C(=O)R^{e3}$,
32) $-C(=O)OR^{e3}$, and
33) $-C(=N-OR^{h2})NR^{e3}R^{f3}$,

each R^{7b} is independently selected from the group consisting of
1) a hydrogen atom,
2) a hydroxyl group,
3) a C_{1-4} alkyl group

(wherein the alkyl group is optionally substituted),

4) a C_{3-10} alicyclic group

(wherein the alicyclic group is optionally substituted),

5) $-C(=NR^{e3})R^{f3}$,

6) $-C(=N-OR^{e3})R^{f3}$,

7) $-SO_2-NR^{e3}R^{f3}$,

8) $-C(=NR^{h2})-NR^{e3}R^{f3}$,

9) $-C(=NR^{h2})NR^{g2}-NR^{e3}R^{f3}$,

10) $-C(=N-OR^{h2})NR^{g2}-NR^{e3}R^{f3}$,

11) $-C(=O)NR^{e3}R^{f3}$,

12) $-C(=O)NR^{e3}OR^{f3}$,

13) $-C(=O)NR^{g2}-NR^{e3}R^{f3}$,

14) $-C(=O)R^{e3}$, and

15) $-C(=N-OR^{h2})NR^{e3}R^{f3}$, and

R^{e3} and R^{f3} are the same or different, each independently hydrogen atom, an optionally substituted C_{1-6} alkyl group, an optionally substituted C_{3-10} alicyclic group, an optionally substituted C_{6-10} aryl, an optionally substituted 5- or 6-membered heteroaryl, or an optionally substituted 4- to 10-membered non-aryl heterocycle,

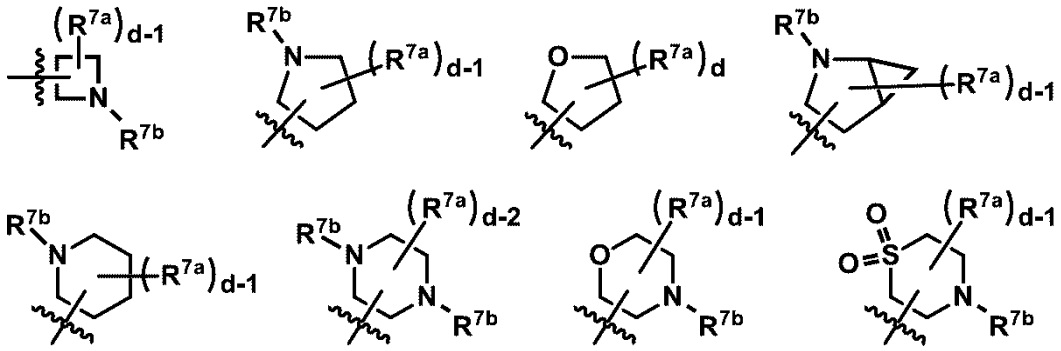
a combination of R^{e3} and R^{f3}, when attached to the same nitrogen atom, together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl heterocycle ~~defined the same as R^{e2} and R^{f2} according to claim 1~~.

[Claim 431]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 301 ~~to 29, 32, and 42~~, wherein

R^5 is a 4- to 6-membered non-aryl heterocycle selected from the group consisting of

[Chemical Formula 838]



,

subscript d is the number of substitutable positions on a ring of R^5,

each R^{7a} is independently selected from the group consisting of

1) a hydrogen atom,

2) a hydroxyl group,

3) halogen,

4) a C_{1-4} alkyl group

(wherein the alkyl group is optionally substituted with $NR^{e3}R^{f3}$, a 5- or 6-membered non-aryl heterocycle, $-C(=O)OR^{f3}$, or a hydroxyl group),

5) a C_{1-4} alkoxy group

6) $-NR^{e3}R^{f3}$,

7) $-C(=O)OR^{e3}$,

8) C_{6-10} aryl, and

9) $-C(=O)NR^{e3}R^{f3}$,

each R^{7b} is independently selected from the group consisting of

1) a hydrogen atom,

2) a hydroxyl group, and

3) a C_{1-4} alkyl group

(wherein the alkyl group is optionally substituted with $NR^{e3}R^{f3}$, $-C(=O)OR^{f3}$, or a hydroxyl group), and

R^{e3} and R^{f3} wherein R^{e3} and R^{f3} are the same or different, each independently a hydrogen atom, an optionally substituted C_{1-6} alkyl group, or an optionally substituted C_{3-10} alicyclic groupdefined the same as R^{e2} and R^{f2} according

~~to any one of claims 38 to 40~~.

[Claim ~~44~~32]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 231 ~~to 24, 34, and 35~~, wherein

L^4 is $-CH(NH_2)-CHR^{13}-$, wherein carbon that attaches to the NH_2 attaches to L^3,

R^5 is a hydrogen atom, and

R^{13} is

1) $-NH-C(=O)CH_3$,
2) $-NH-C(=O)NH_2$,
3) $-NH-C(=O)CH(NH_2)-CH_2C(=O)NH_2$,
4) $-NH-C(=O)CH_2-NH_2$,
5) $-NH-C(=O)CH(NH_2)-CH_2OH$, or
6) a pyrrolidin-2-ylcarbonylamino group.

[Claim ~~45~~33]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 231 ~~to 24, 34, and 35~~, wherein L^4 is $-CH(NH_2)-CR^{12}R^{13}-$, wherein carbon that attaches to the NH_2 attaches to L^3,

R^5 is a hydrogen atom or methyl,

R^{12} is a hydrogen atom or methyl, and

R^{13} is a benzylthio group or a sulfanyl group.

[Claim ~~46~~34]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 231 ~~to 24, 34, and 35~~, wherein

L^4 is $-CH(NH_2)-(CH_2)_q-CHR^{13}-$, wherein q is 0 or 1, and carbon that attaches to the NH_2 attaches to L^3,

R^5 is a hydrogen atom, and

R^{13} is

1) a carboxyl group,
2) $-C(=O)NH_2$,
3) $-C(=O)NH(CH_3)$,
4) $-C(=O)N(CH_3)_2$,
5) $-C(=O)NH-(CH_2)_2-OH$,

6) $-C(=O)NH-(CH_2)_2-NH_2$,

7) $-C(=O)NH-S(=O)_2-CH_3$,

8) $-C(=O)NHOH$,

9) $-S(=O)_2-NH_2$,

10) $-S(=O)_2-CH_3$, or

11) a hydroxyl group.

[Claim ~~47~~35]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 23~~1 to 24, 34, and 35~~, wherein

L^4 is $-CH(NHR^{11})-CH_2-$, wherein carbon that attaches to the NHR^{11} attaches to L^3,

R^5 is hydrogen, and

R^{11} is

1) $-C(=O)CH(NH_2)-CH_2C(=O)NH_2$,

2) $-C(=O)CH_2-NH_2$,

3) $-C(=O)CH(CH_3)-NH_2$,

4)- $C(=O)CH(NH_2)-CH_2OH$, or

5) pyrrolidin-2-ylcarbonyl.

[Claim ~~48~~36]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 23~~1 to 24, 34, and 35~~, wherein

L^4 is $-CH(NHR^{11})-CH(COOH)-$, wherein carbon that attaches to the NHR^{11} attaches to L^3,

R^5 is hydrogen, and

R^{11} is

1) $-C(=O)CH(NH_2)-CH_2C(=O)NH_2$,

2) $-C(=O)CH_2-NH_2$,

3) $-C(=O)CH(CH_3)-NH_2$,

4) $-C(=O)CH(NH_2)-CH_2OH$, or

5) pyrrolidin-2-ylcarbonyl.

[Claim ~~49~~37]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 23~~1 to 24, 34, and 35~~, wherein

L^4 is $-CHR^{13}-$ or $-CH_2-CHR^{13}-$,

R^5 is hydrogen, and

R^{13} is $-C(=O)NH_2$ or $-C(=O)NHOH$.

[Claim ~~50~~38]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 231 ~~to 24, 34, and 35~~, wherein

L^4 is $-CH_2-CR^{10}(NH_2)-$, wherein the CH_2 attaches to L^3,

R^5 is hydrogen, and

R^{10} is a carboxy group or $-C(=O)NH_2$.

[Claim ~~51~~39]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 231 ~~to 24, 34, and 35~~, wherein

L^4 is $-(CH_2)_p-CR^{10}(NHR^{11})-(CH_2)_q-CHR^{13}-$ or $-CHR^{13}-(CH_2)_q-CR^{10}(NHR^{11})-(CH_2)_p-$, wherein q is 0 or 1,

R^5 is hydrogen,

(1) if L^4 is $-CHR^{13}-(CH_2)_q-CR^{10}(NHR^{11})-(CH_2)_p-$,

carbon of the $-CHR^{13}-$ group attaches to L^3,

p is 0,

R^{10} is a hydrogen atom, a carboxyl group, or $-C(=O)NHR^{10b}$,

R^{11} is a hydrogen atom,

R^{10b} is a hydrogen atom,

wherein if R^{10} is $-C(=O)NHR^{10b}$, R^{10b} and R^{11} together may form $-CH_2CH_2-$, and

R^{13} is a hydrogen atom, and

(2) if L^4 is $-(CH_2)_p-CR^{10}(NHR^{11})-(CH_2)_q-CHR^{13}-$,

carbon of the $-(CH_2)_p-$ group attaches to L^3,

p is 1,

R^{10} and R^{11} are both hydrogen atoms,

R^{13} is a carboxyl group or $-C(=O)NR^{13a}R^{13b}$, and

R^{13a} and R^{13b} are each independently a hydrogen atom or an optionally substituted C_{1-4} alkyl group.

[Claim ~~52~~402~~~~]

The compound or the pharmaceutically acceptable salt

thereof according to ~~any one of~~ claim~~s~~ 23~~1 to 24, 34, and 35~~, wherein

L^4 is $-CR^{12}(NH_2)-$,

R^{12} is a hydrogen atom or a methyl group, and

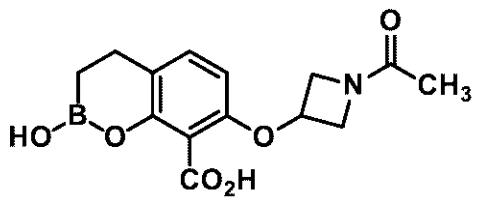
R^5 is a C_{1-4} alkyl group optionally substituted with a hydroxyl group.

[Claim 53~~41~~]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, selected from the group consisting of~~represented by the following compound name or structural formula~~:

7-[(1-acetylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

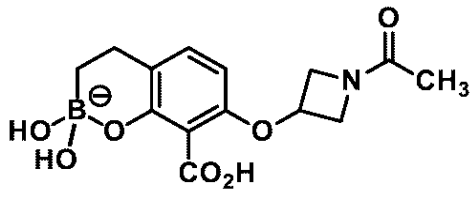
~~[Chemical Formula 839]~~



,

8-[(1-acetylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

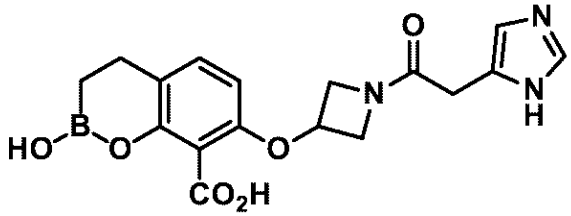
~~[Chemical Formula 840]~~



,

2-hydroxy-7-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

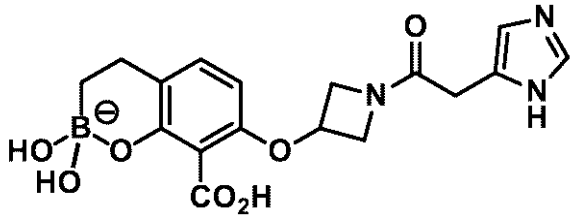
[Chemical Formula 841]



,

4,4-dihydroxy-8-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

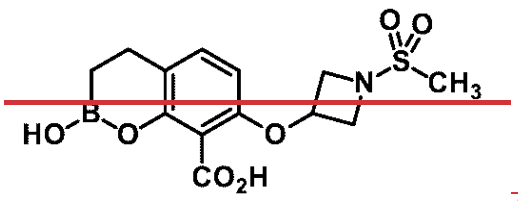
[Chemical Formula 842]



,

2-hydroxy-7-{[1-(methanesulfonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

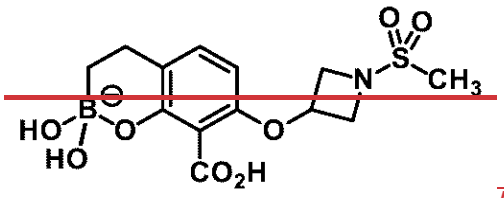
[Chemical Formula 843]



,

4,4-dihydroxy-8-{[1-(methanesulfonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

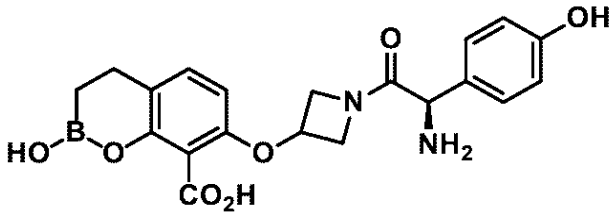
[Chemical Formula 844]



,

7-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

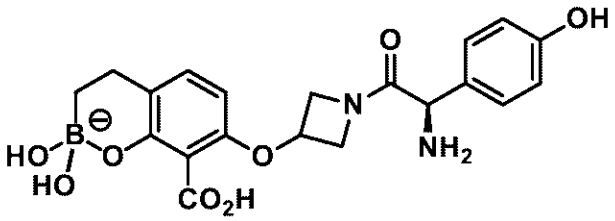
[Chemical Formula 845]



,

8-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

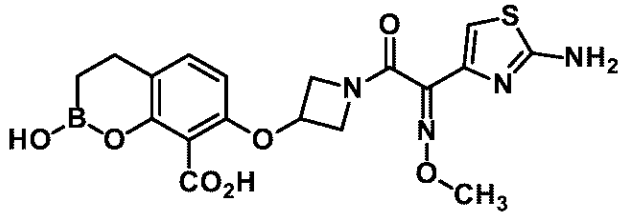
[Chemical Formula 846]



,

7-({1-[(2-amino-1,3-thiazol-4-yl)(methoxyimino)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

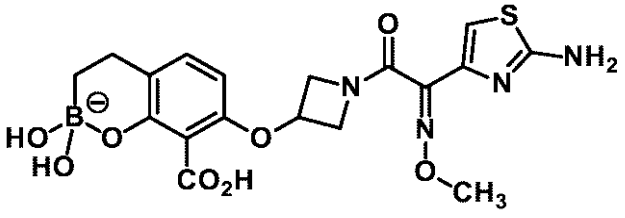
[Chemical Formula 847]



,

8-({1-[(2-amino-1,3-thiazol-4-yl)(methoxyimino)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

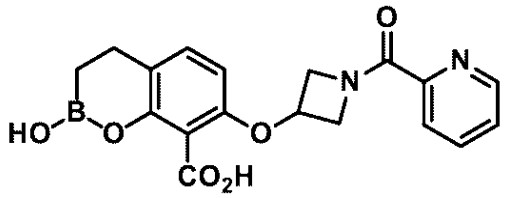
[Chemical Formula 848]



,

2-hydroxy-7-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

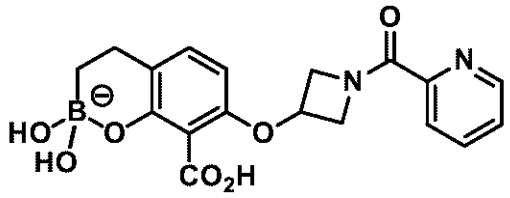
~~[Chemical Formula 849]~~



,

4,4-dihydroxy-8-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

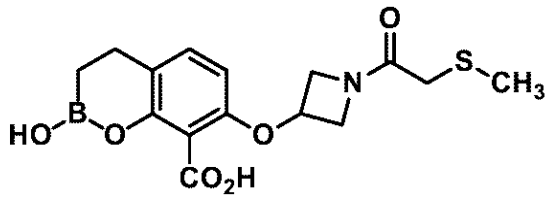
~~[Chemical Formula 850]~~



,

2-hydroxy-7-({1-[(methylsulfanyl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

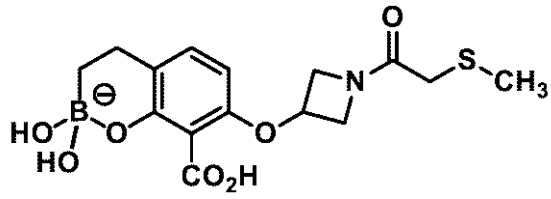
~~[Chemical Formula 851]~~



,

4,4-dihydroxy-8-({1-[(methylsulfanyl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

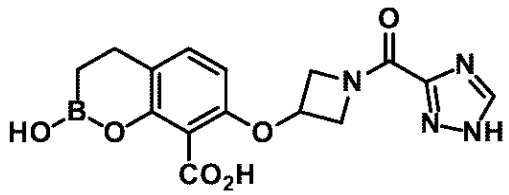
~~[Chemical Formula 852]~~



,

2-hydroxy-7-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

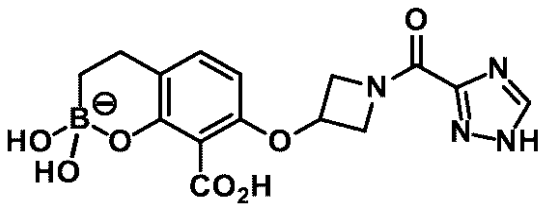
[Chemical Formula 853]



,

4,4-dihydroxy-8-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

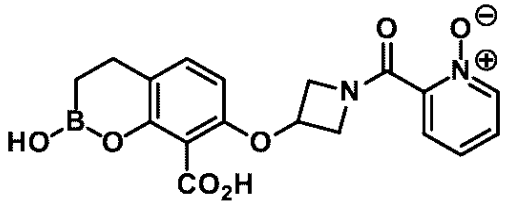
[Chemical Formula 854]



,

2-hydroxy-7-{[1-(1-oxido-2-pyridinylcarbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

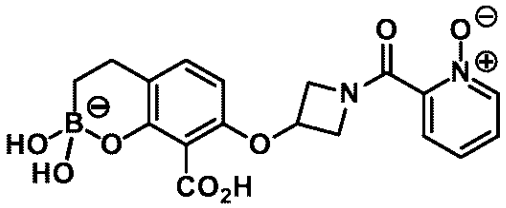
[Chemical Formula 855]



,

4,4-dihydroxy-8-{[1-(1-oxido-2-pyridinylcarbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

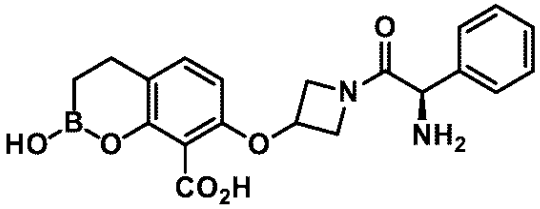
[Chemical Formula 856]



,

7-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

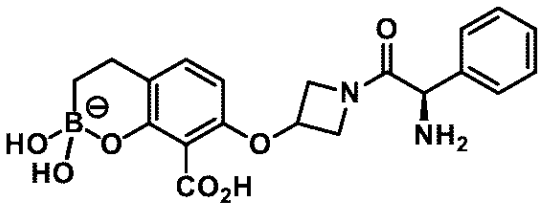
[Chemical Formula 857]



,

8-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

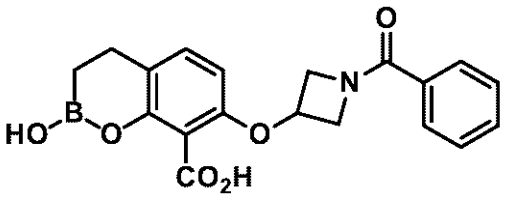
[Chemical Formula 858]



,

7-[(1-benzoylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

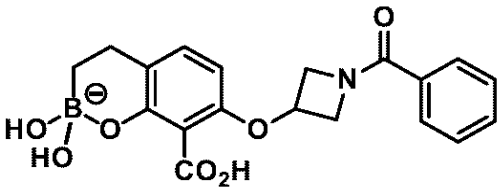
[Chemical Formula 859]



,

8-[(1-benzoylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

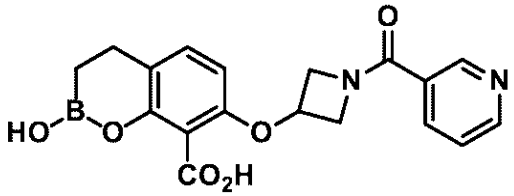
[Chemical Formula 860]



,

2-hydroxy-7-{[1-(pyridine-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

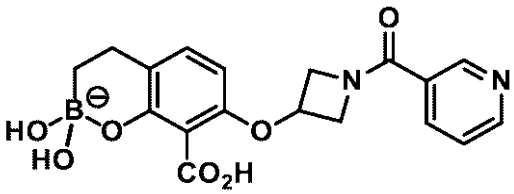
[Chemical Formula 861]



,

4,4-dihydroxy-8-{[1-(pyridine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

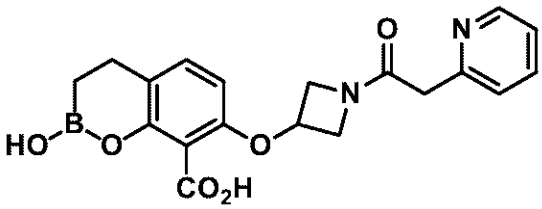
[Chemical Formula 862]



,

2-hydroxy-7-({1-[(pyridin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

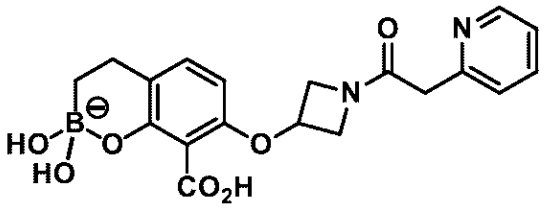
[Chemical Formula 863]



,

4,4-dihydroxy-8-({1-[(pyridin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

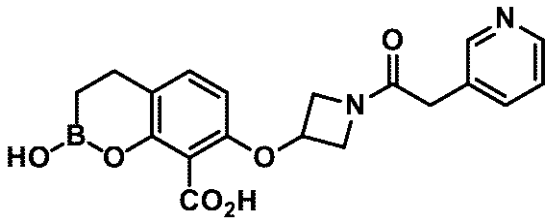
[Chemical Formula 864]



,

2-hydroxy-7-({1-[(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

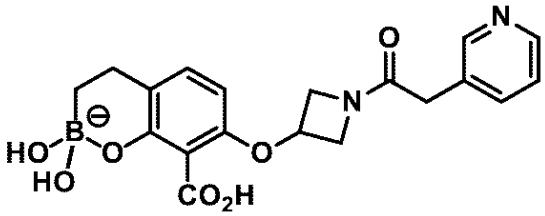
[Chemical Formula 865]



,

4,4-dihydroxy-8-({1-[(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

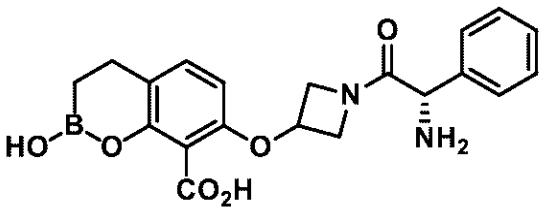
[Chemical Formula 866]



,

7-({1-[(2S)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

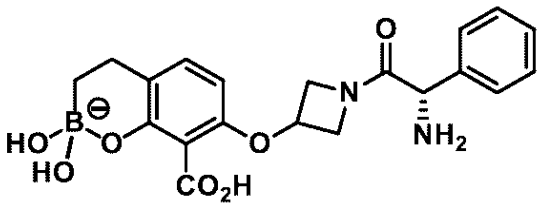
[Chemical Formula 867]



,

8-({1-[(2S)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

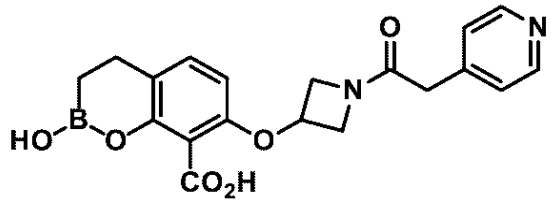
[Chemical Formula 868]



,

2-hydroxy-7-({1-[(pyridin-4-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

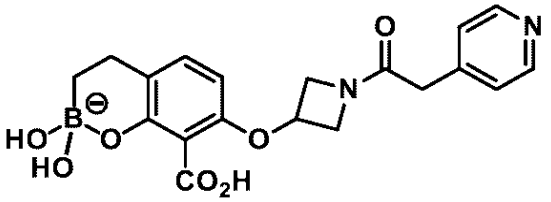
[Chemical Formula 869]



,

4,4-dihydroxy-8-({1-[(pyridin-4-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

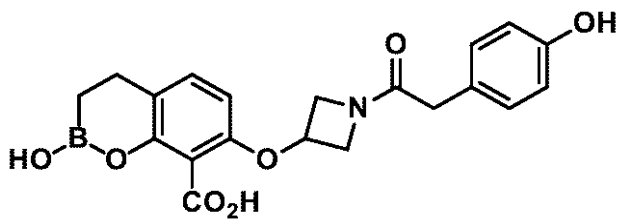
[Chemical Formula 870]



,

2-hydroxy-7-({1-[(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

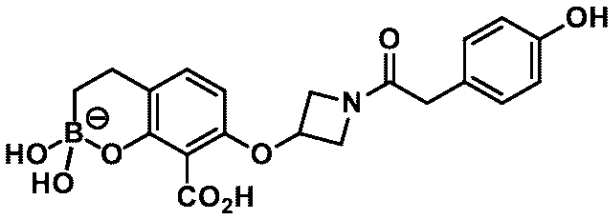
[Chemical Formula 871]



,

4,4-dihydroxy-8-({1-[(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

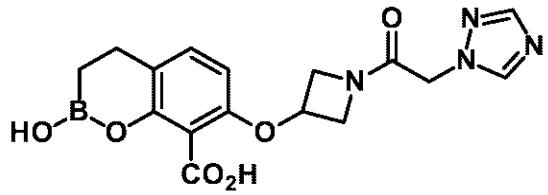
[Chemical Formula 872]



,

2-hydroxy-7-({1-[(1H-1,2,4-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

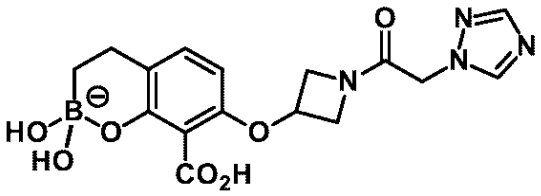
~~[Chemical Formula 873]~~



,

4,4-dihydroxy-8-({1-[(1H-1,2,4-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

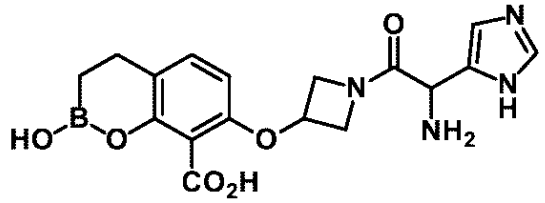
~~[Chemical Formula 874]~~



,

7-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

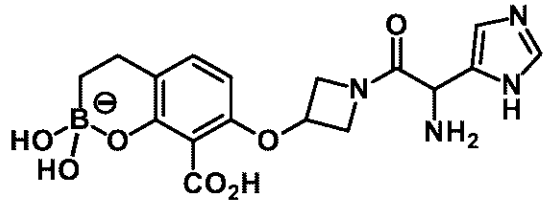
~~[Chemical Formula 875]~~



,

8-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

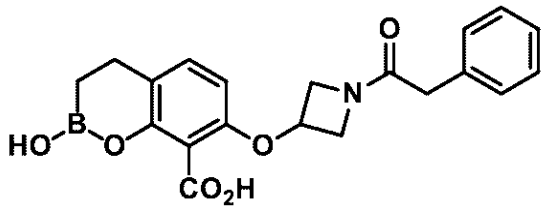
~~[Chemical Formula 876]~~



,

2-hydroxy-7-{[1-(phenylacetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

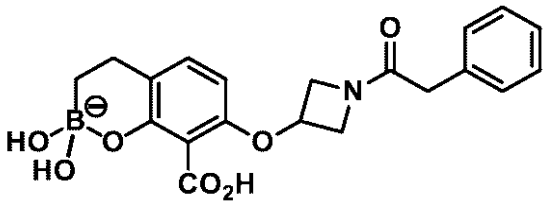
[Chemical Formula 877]



,

4,4-dihydroxy-8-{[1-(phenylacetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

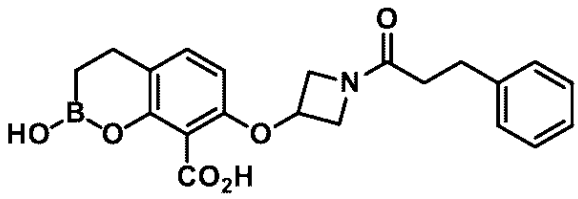
[Chemical Formula 878]



,

2-hydroxy-7-{[1-(3-phenylpropanoyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

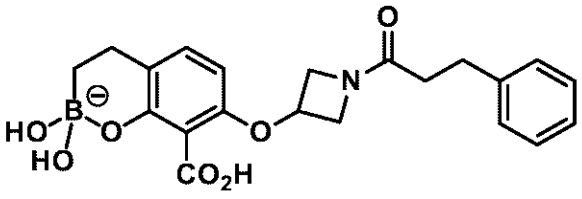
[Chemical Formula 879]



,

4,4-dihydroxy-8-{[1-(3-phenylpropanoyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

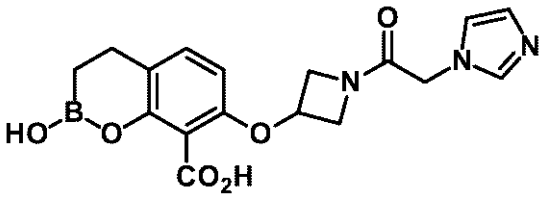
[Chemical Formula 880]



,

2-hydroxy-7-({1-[(1H-imidazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

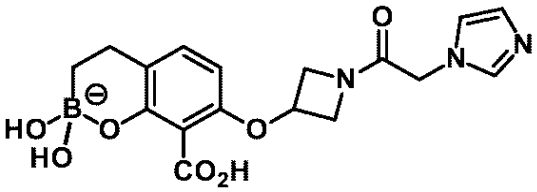
~~[Chemical Formula 881]~~



,

4,4-dihydroxy-8-({1-[(1H-imidazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

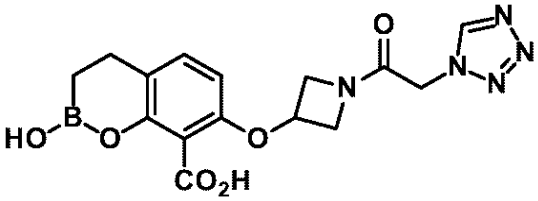
~~[Chemical Formula 882]~~



,

2-hydroxy-7-({1-[(1H-tetrazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

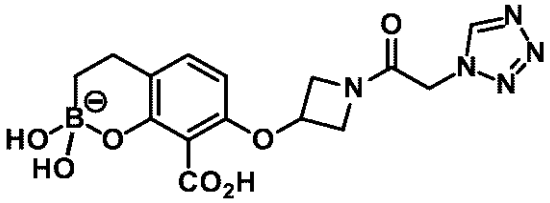
~~[Chemical Formula 883]~~



,

4,4-dihydroxy-8-({1-[(1H-tetrazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

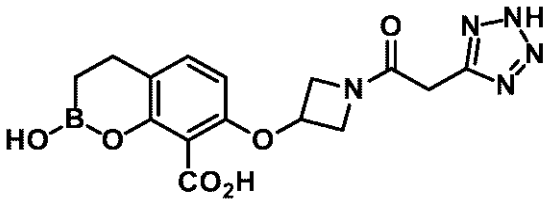
~~[Chemical Formula 884]~~



,

2-hydroxy-7-({1-[(2H-tetrazol-5-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

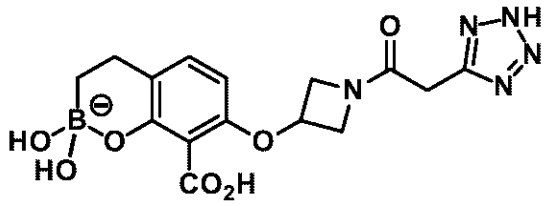
~~[Chemical Formula 885]~~



,

4,4-dihydroxy-8-({1-[(2H-tetrazol-5-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

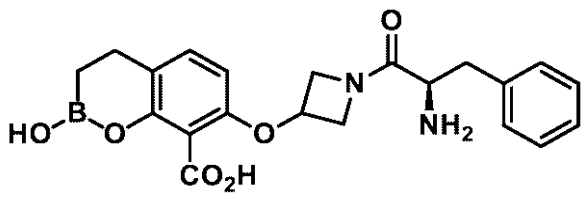
~~[Chemical Formula 886]~~



,

2-hydroxy-7-[(1-D-phenylalanylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

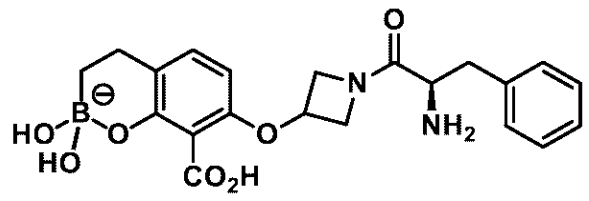
~~[Chemical Formula 887]~~



,

4,4-dihydroxy-8-[(1-D-phenylalanylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

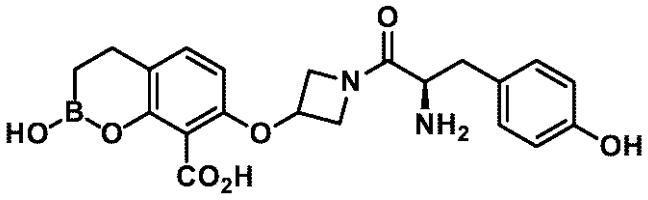
~~[Chemical Formula 888]~~



,

2-hydroxy-7-[(1-D-tyrosylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

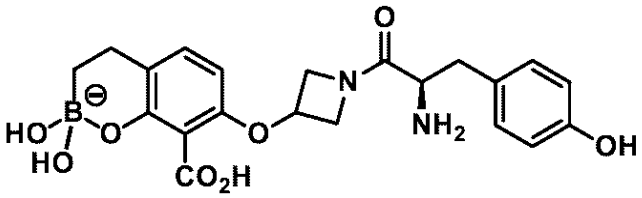
[Chemical Formula 889]



,

4,4-dihydroxy-8-[(1-D-tyrosylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

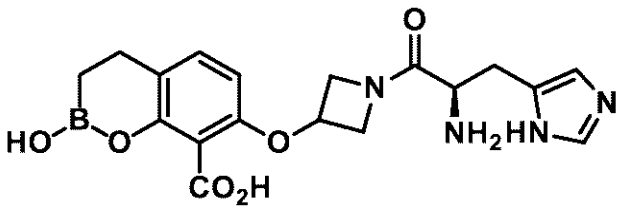
[Chemical Formula 890]



,

7-[(1-D-histidylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

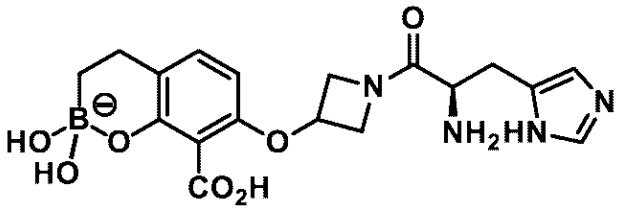
[Chemical Formula 891]



,

8-[(1-D-histidylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

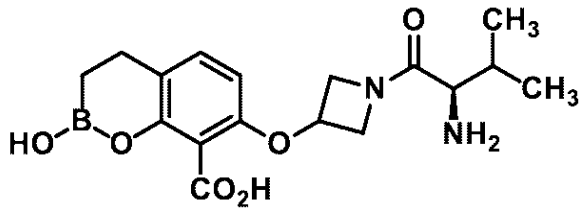
[Chemical Formula 892]



,

2-hydroxy-7-[(1-D-valylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

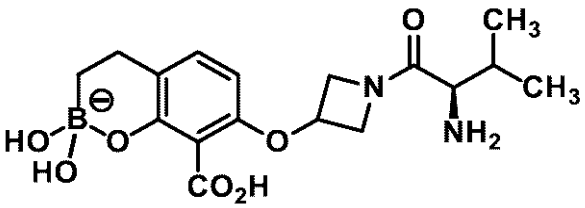
~~[Chemical Formula 893]~~



,

4,4-dihydroxy-8-[(1-D-valylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

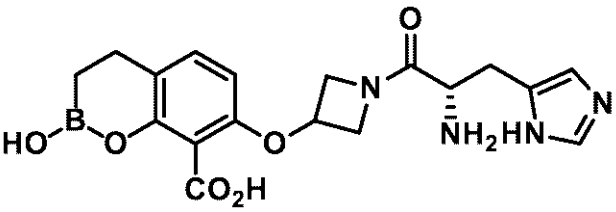
~~[Chemical Formula 894]~~



,

7-[(1-L-histidylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

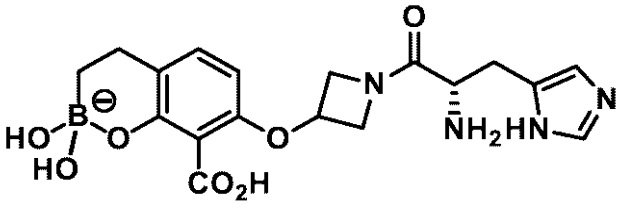
~~[Chemical Formula 895]~~



,

8-[(1-L-histidylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

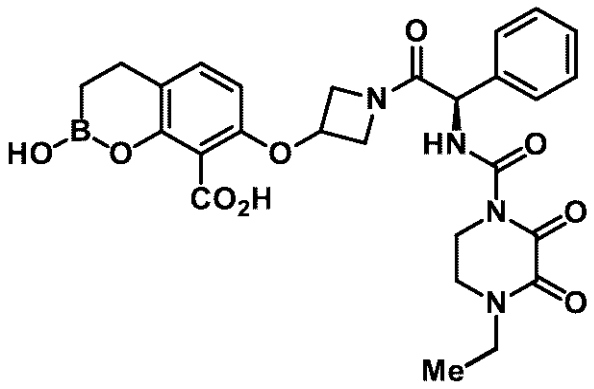
~~[Chemical Formula 896]~~



,

7-[(1-{(2R)-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

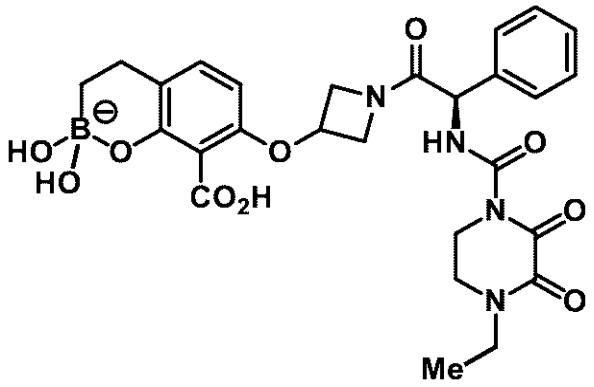
~~[Chemical Formula 897]~~



,

8-[(1-{(2R)-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

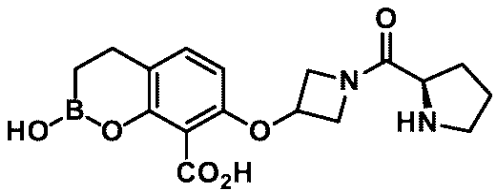
~~[Chemical Formula 898]~~



,

2-hydroxy-7-[(1-D-prolylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

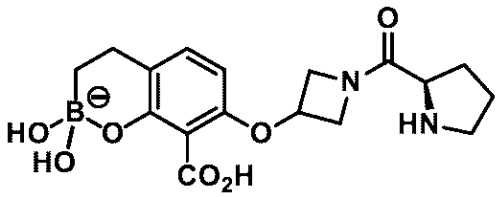
~~[Chemical Formula 899]~~



,

4,4-dihydroxy-8-[(1-D-prolylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

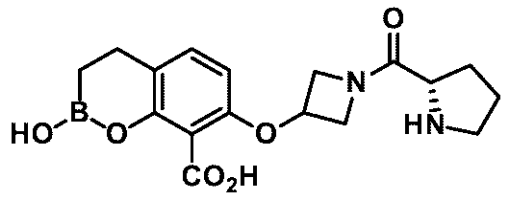
~~[Chemical Formula 900]~~



,

2-hydroxy-7-[(1-L-prolylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

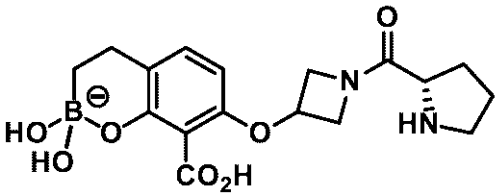
~~[Chemical Formula 901]~~



,

4,4-dihydroxy-8-[(1-L-prolylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

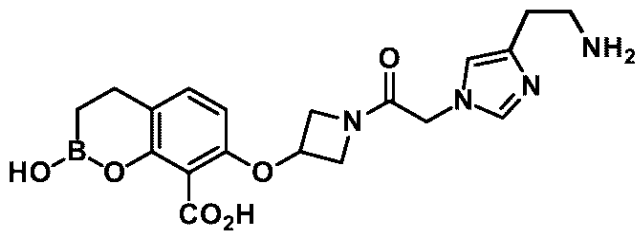
~~[Chemical Formula 902]~~



,

7-[(1-{[4-(2-aminoethyl)-1H-imidazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

~~[Chemical Formula 903]~~

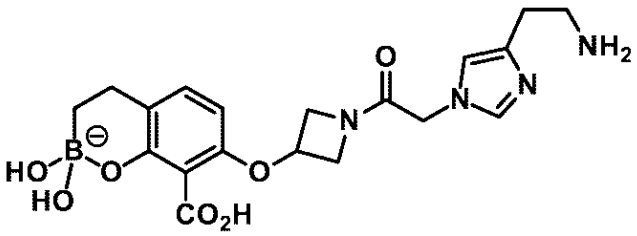


,

8-[(1-{[4-(2-aminoethyl)-1H-imidazol-1-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic

acid

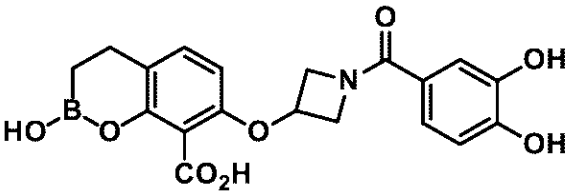
~~[Chemical Formula 904]~~



,

7-{[1-(3,4-dihydroxybenzoyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

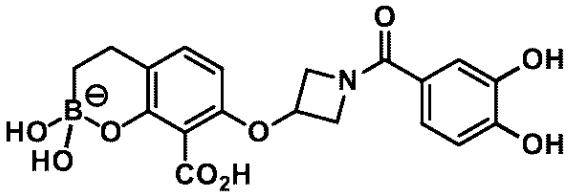
~~[Chemical Formula 905]~~



,

8-{[1-(3,4-dihydroxybenzoyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

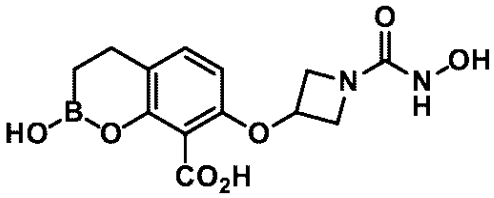
~~[Chemical Formula 906]~~



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2-hydroxy-7-{[1-(hydroxycarbamoyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

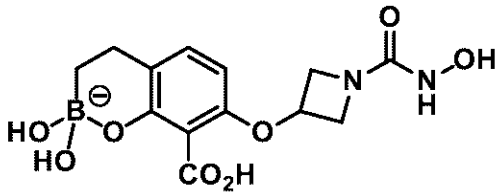
~~[Chemical Formula 907]~~



, or

4,4-dihydroxy-8-{[1-(hydroxycarbamoyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

[Chemical Formula 908]



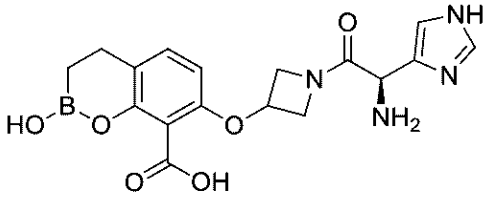
.

[Claim 5442]

The compound or the pharmaceutically acceptable salt thereof of claim 1, represented by the following compound name or structural formula:

7-({1-[(2R)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

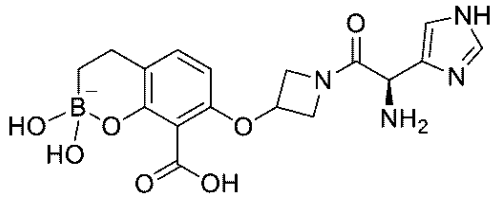
[Chemical Formula 909]



,

8-({1-[(2R)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

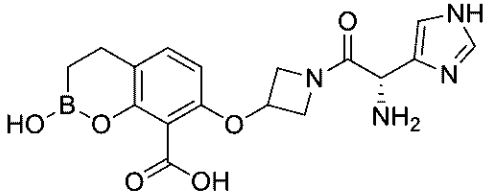
[Chemical Formula 910]



,

7-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

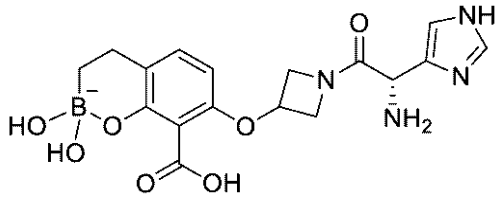
[Chemical Formula 911]



,

8-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

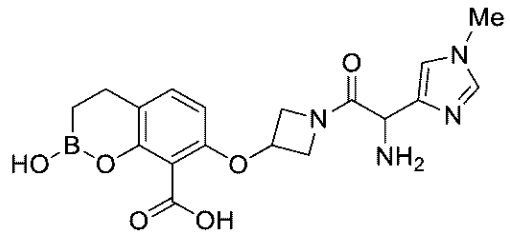
[Chemical Formula 912]



,

7-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

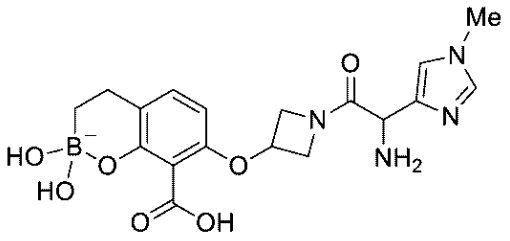
[Chemical Formula 913]



,

8-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

[Chemical Formula 914]

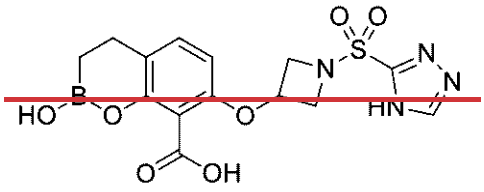


,

2-hydroxy-7-{[1-(4H-1,2,4-triazole-3-sulfonyl)azetidin-3-

yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

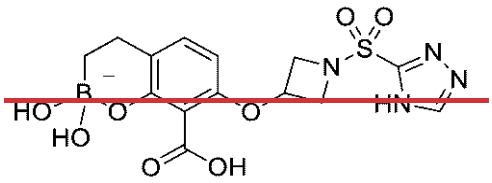
[Chemical Formula 915]



,

4,4-dihydroxy-8-{[1-(4H-1,2,4-triazole-3-sulfonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

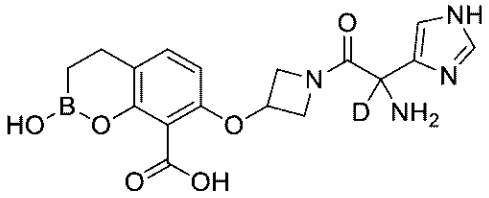
[Chemical Formula 916]



,

7-({1-[2-amino-2-(1H-imidazol-4-yl)(^{2}H)ethanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

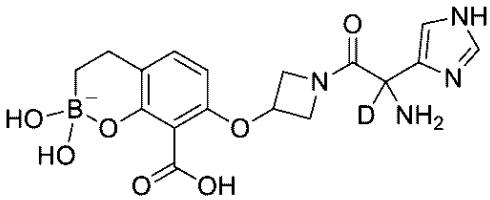
[Chemical Formula 917]



,

8-({1-[2-amino-2-(1H-imidazol-4-yl)(^{2}H)ethanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

[Chemical Formula 918]

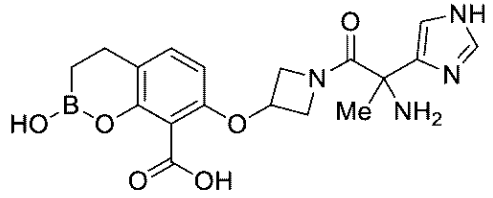


,

7-({1-[2-amino-2-(1H-imidazol-4-yl)propanoyl]azetidin-3-

yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

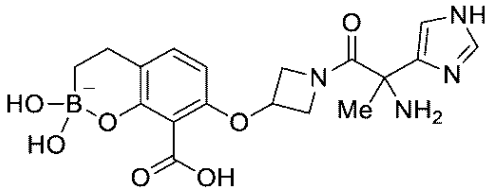
~~[Chemical Formula 919]~~



,

8-({1-[2-amino-2-(1H-imidazol-4-yl)propanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

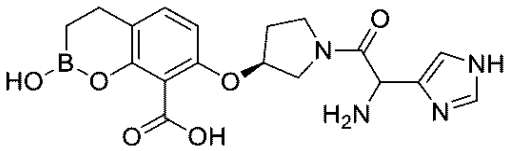
~~[Chemical Formula 920]~~



,

7-({(3S)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

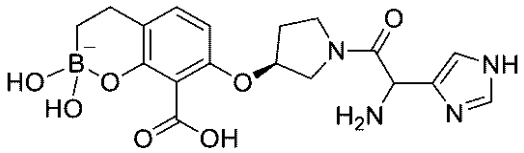
~~[Chemical Formula 921]~~



,

8-({(3S)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

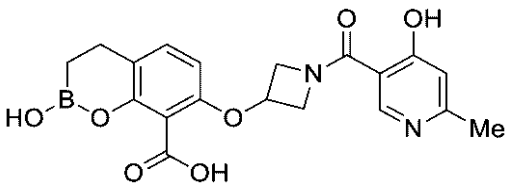
~~[Chemical Formula 922]~~



,

2-hydroxy-7-{[1-(4-hydroxy-6-methylpyridine-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

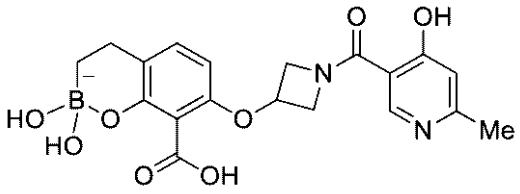
~~[Chemical Formula 923]~~



,

4,4-dihydroxy-8-{[1-(4-hydroxy-6-methylpyridine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

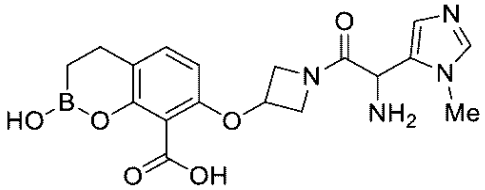
~~[Chemical Formula 924]~~



,

7-({1-[amino(1-methyl-1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

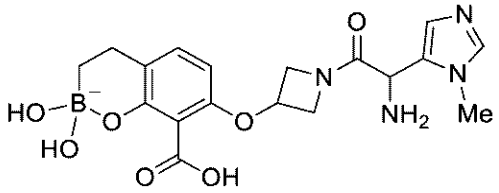
~~[Chemical Formula 925]~~



,

8-({1-[amino(1-methyl-1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

~~[Chemical Formula 926]~~

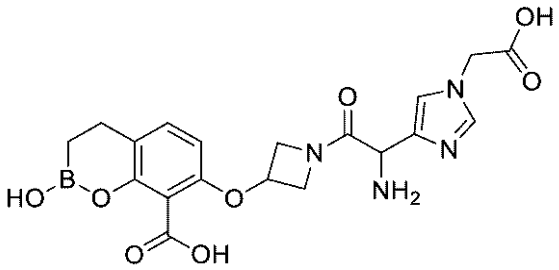


,

7-[(1-{amino[1-(carboxymethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-

benzoxaborinine-8-carboxylic acid

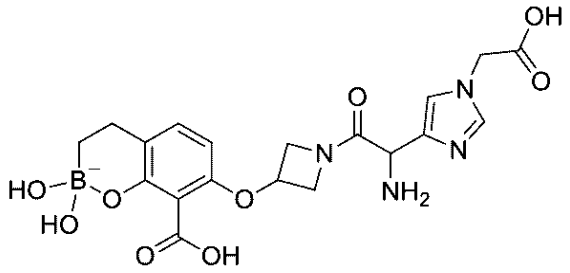
~~[Chemical Formula 927]~~



,

8-[(1-{amino[1-(carboxymethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

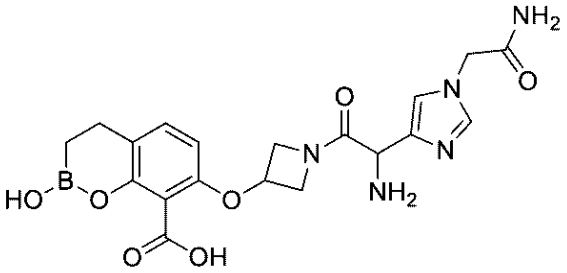
~~[Chemical Formula 928]~~



,

7-[(1-{amino[1-(2-amino-2-oxoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

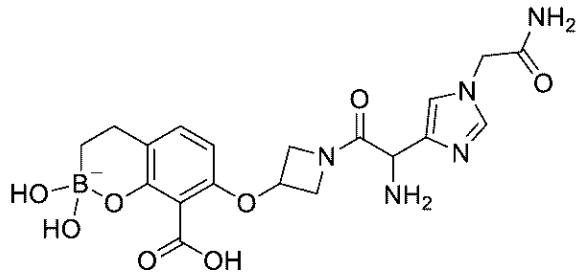
~~[Chemical Formula 929]~~



,

8-[(1-{amino[1-(2-amino-2-oxoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

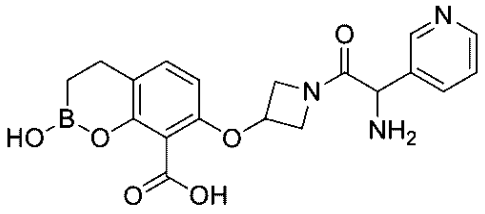
~~[Chemical Formula 930]~~



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7-({1-[amino(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

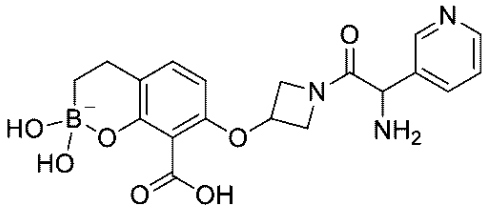
~~[Chemical Formula 931]~~



,

8-({1-[amino(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

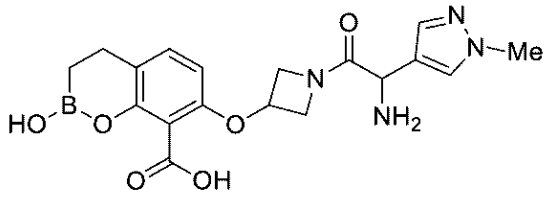
~~[Chemical Formula 932]~~



,

7-({1-[amino(1-methyl-1H-pyrazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

~~[Chemical Formula 933]~~

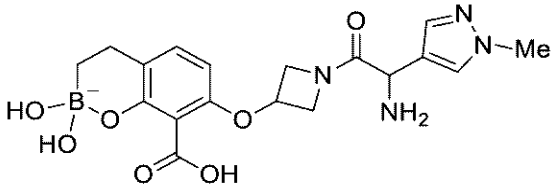


,

8-({1-[amino(1-methyl-1H-pyrazol-4-yl)acetyl]azetidin-3-

yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

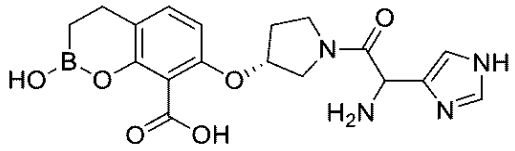
~~[Chemical Formula 934]~~



,

7-({(3R)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

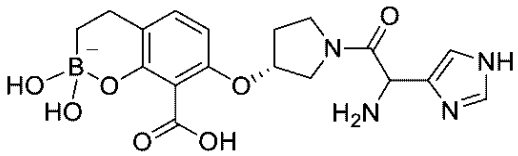
~~[Chemical Formula 935]~~



,

8-({(3R)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

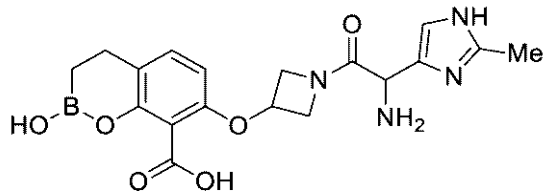
~~[Chemical Formula 936]~~



,

7-({1-[amino(2-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

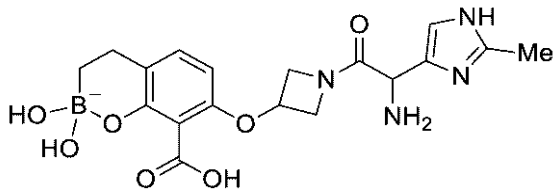
~~[Chemical Formula 937]~~



,

8-({1-[amino(2-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

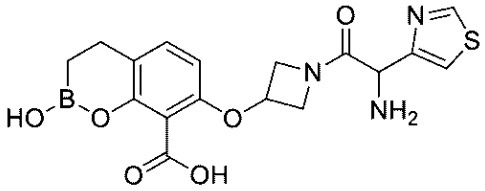
[Chemical Formula 938]



,

7-({1-[amino(1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

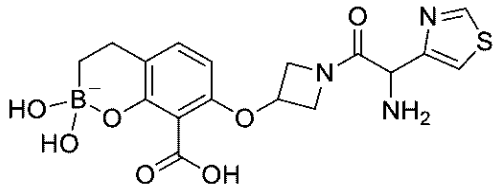
[Chemical Formula 939]



,

8-({1-[amino(1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

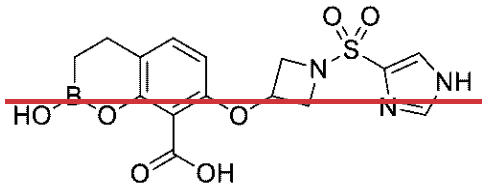
[Chemical Formula 940]



,

2-hydroxy-7-{[1-(1H-imidazole-4-sulfonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

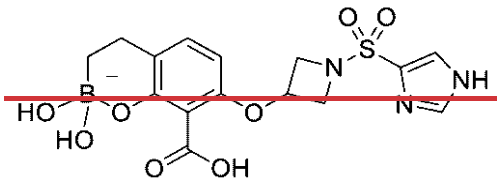
[Chemical Formula 941]



,

4,4-dihydroxy-8-{[1-(1H-imidazole-4-sulfonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

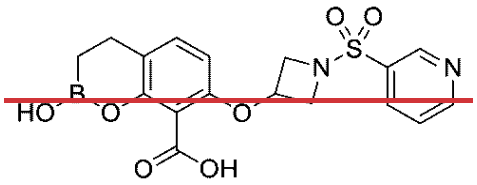
[Chemical Formula 942]



,

2-hydroxy-7-{[1-(pyridine-3-sulfonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

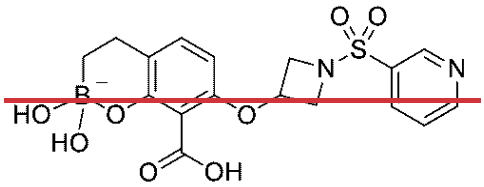
[Chemical Formula 943]



,

4,4-dihydroxy-8-{[1-(pyridine-3-sulfonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

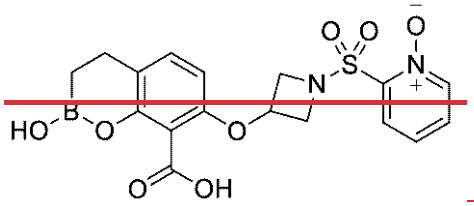
[Chemical Formula 944]



,

2-hydroxy-7-{[1-(1-oxo-1λ⁵-pyridine-2-sulfonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

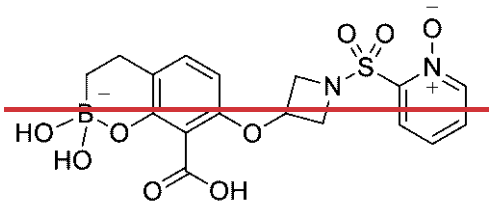
[Chemical Formula 945]



,

4,4-dihydroxy-8-{[1-(1-oxo-1λ⁵-pyridine-2-sulfonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

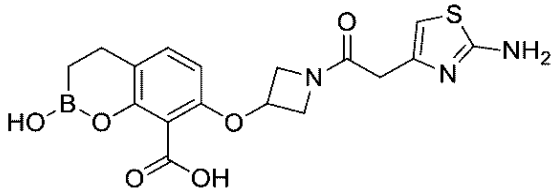
[Chemical Formula 946]



,

7-({1-[(2-amino-1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

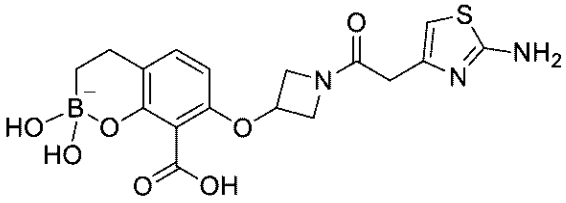
[Chemical Formula 947]



,

8-({1-[(2-amino-1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

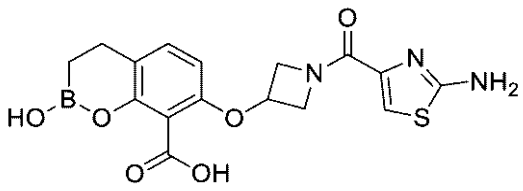
[Chemical Formula 948]



,

7-{[1-(2-amino-1,3-thiazole-4-carbonyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

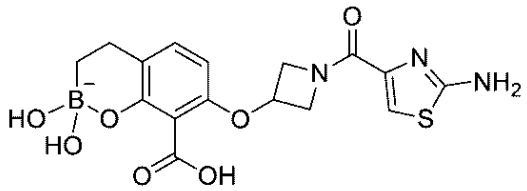
[Chemical Formula 949]



,

8-{[1-(2-amino-1,3-thiazole-4-carbonyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

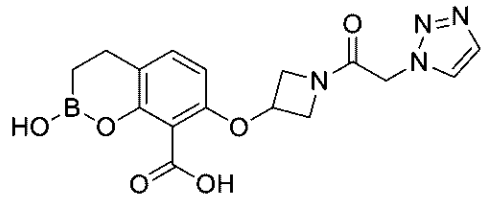
[Chemical Formula 950]



,

2-hydroxy-7-({1-[(1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

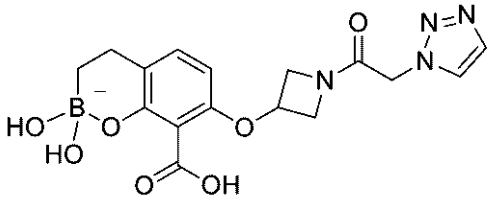
[Chemical Formula 951]



,

4,4-dihydroxy-8-({1-[(1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

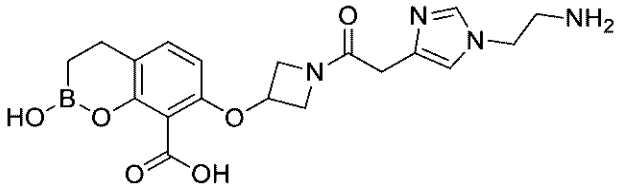
[Chemical Formula 952]



,

7-[(1-{[1-(2-aminoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

[Chemical Formula 953]

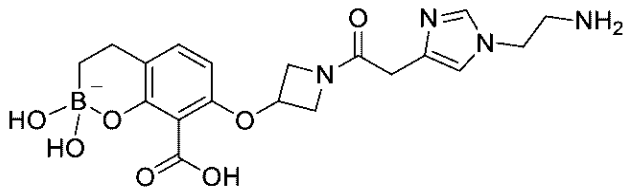


,

8-[(1-{[1-(2-aminoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-

boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

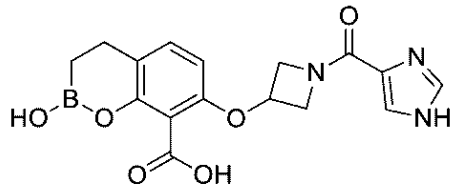
~~[Chemical Formula 954]~~



,

2-hydroxy-7-{[1-(1H-imidazole-4-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

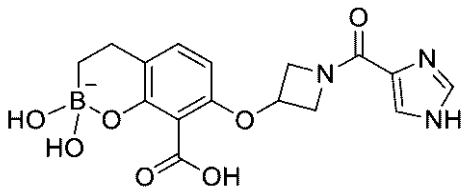
~~[Chemical Formula 955]~~



,

4,4-dihydroxy-8-{[1-(1H-imidazole-4-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

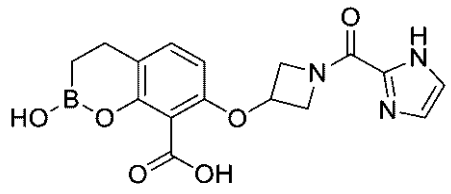
~~[Chemical Formula 956]~~



,

2-hydroxy-7-{[1-(1H-imidazole-2-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

~~[Chemical Formula 957]~~

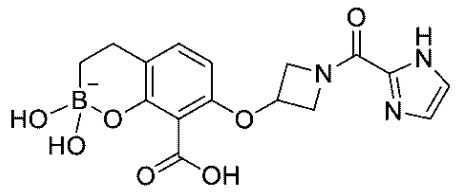


,

4,4-dihydroxy-8-{[1-(1H-imidazole-2-carbonyl)azetidin-3-

yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

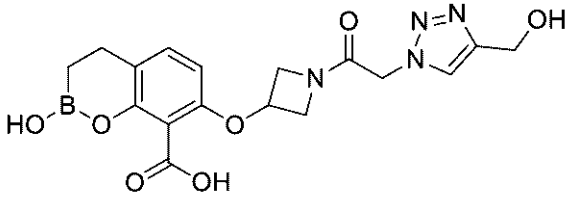
~~[Chemical Formula 958]~~



,

2-hydroxy-7-[(1-{[4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

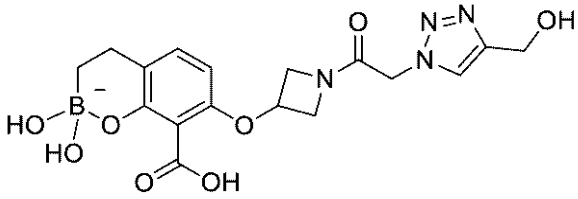
~~[Chemical Formula 959]~~



,

4,4-dihydroxy-8-[(1-{[4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

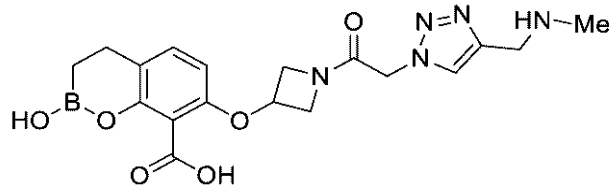
~~[Chemical Formula 960]~~



,

2-hydroxy-7-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

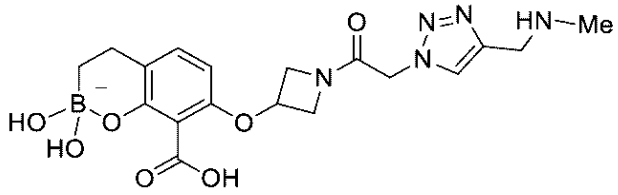
~~[Chemical Formula 961]~~



,

4,4-dihydroxy-8-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

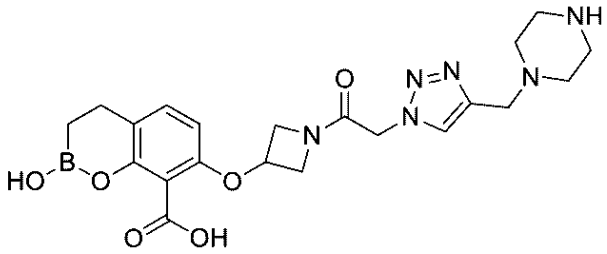
[Chemical Formula 962]



,

2-hydroxy-7-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

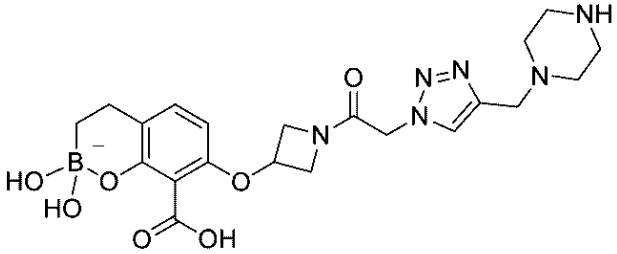
[Chemical Formula 963]



,

4,4-dihydroxy-8-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

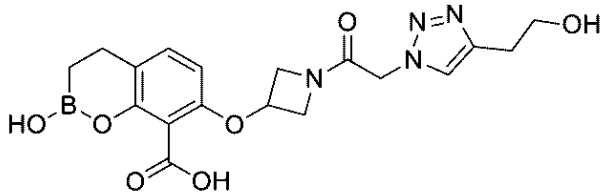
[Chemical Formula 964]



,

2-hydroxy-7-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

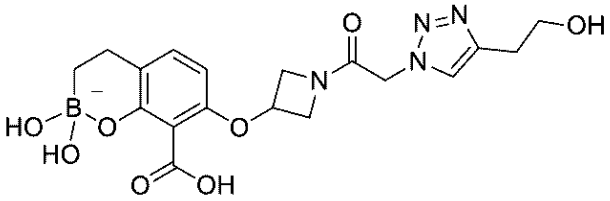
~~[Chemical Formula 965]~~



,

4,4-dihydroxy-8-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

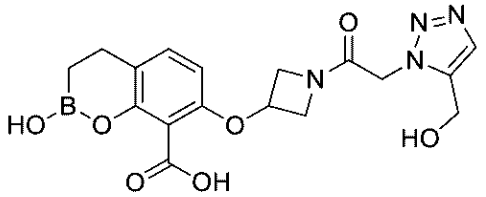
~~[Chemical Formula 966]~~



,

2-hydroxy-7-[(1-{[5-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

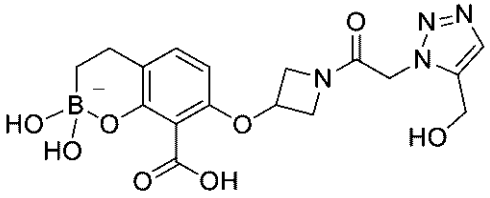
~~[Chemical Formula 967]~~



,

4,4-dihydroxy-8-[(1-{[5-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

~~[Chemical Formula 968]~~

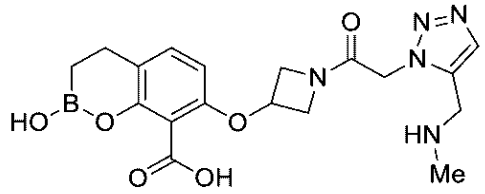


,

2-hydroxy-7-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-

1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

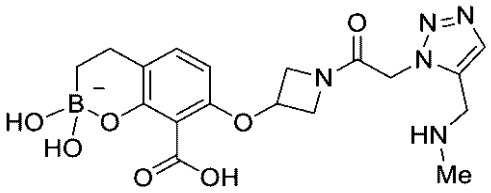
~~[Chemical Formula 969]~~



,

4,4-dihydroxy-8-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

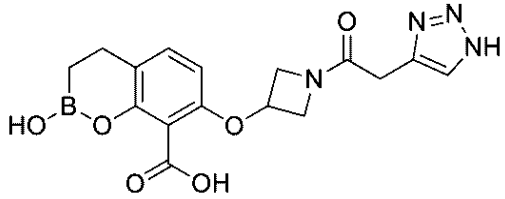
~~[Chemical Formula 970]~~



,

2-hydroxy-7-({1-[(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

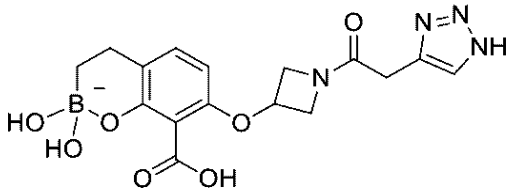
~~[Chemical Formula 971]~~



,

4,4-dihydroxy-8-({1-[(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

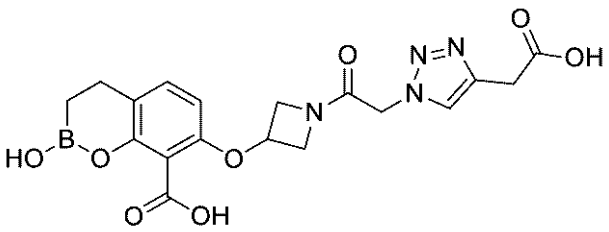
[Chemical Formula 972]



,

7-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

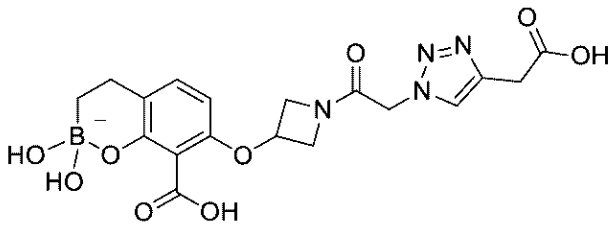
[Chemical Formula 973]



,

8-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

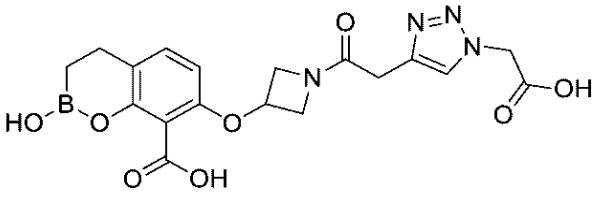
[Chemical Formula 974]



,

7-[(1-{[1-(carboxymethyl)-1H-1,2,3-triazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

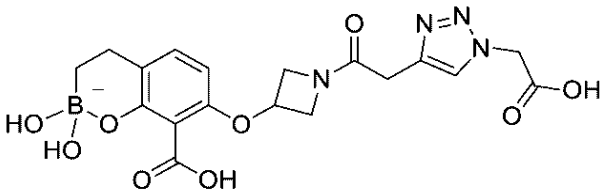
[Chemical Formula 975]



,

8-[(1-{[1-(carboxymethyl)-1H-1,2,3-triazol-4-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

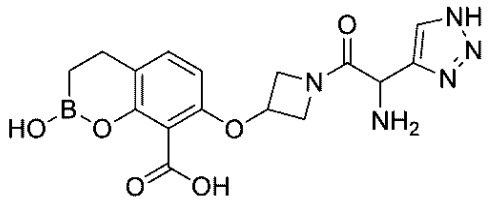
~~[Chemical Formula 976]~~



,

7-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

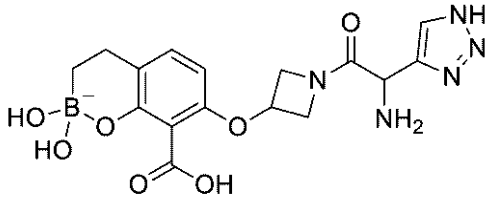
~~[Chemical Formula 977]~~



,

8-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

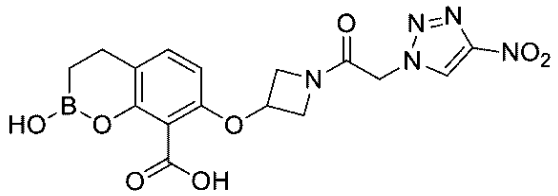
~~[Chemical Formula 978]~~



,

2-hydroxy-7-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

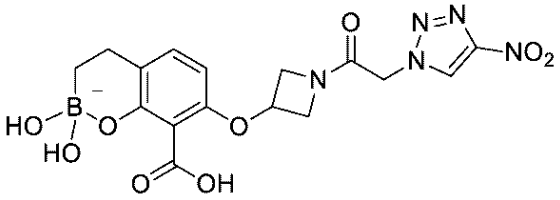
~~[Chemical Formula 979]~~



,

4,4-dihydroxy-8-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

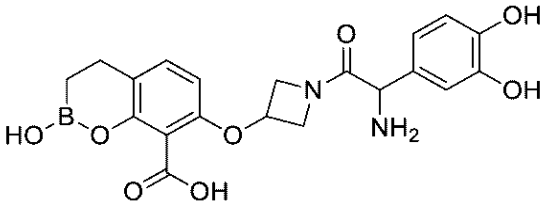
~~[Chemical Formula 980]~~



,

7-({1-[amino(3,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

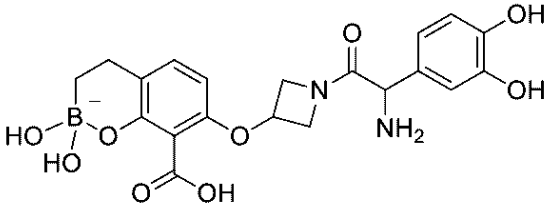
~~[Chemical Formula 981]~~



,

8-({1-[amino(3,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

~~[Chemical Formula 982]~~

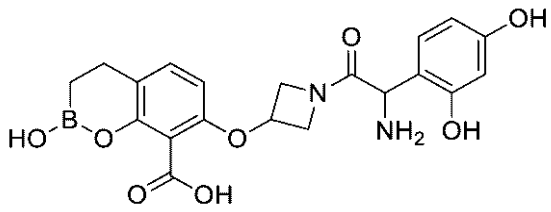


,

7-({1-[amino(2,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic

acid

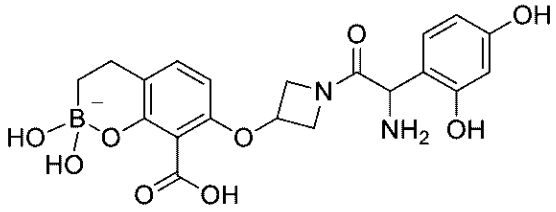
[Chemical Formula 983]



,

8-({1-[amino(2,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

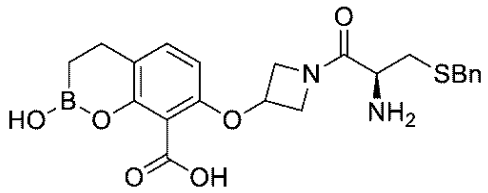
[Chemical Formula 984]



,

7-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

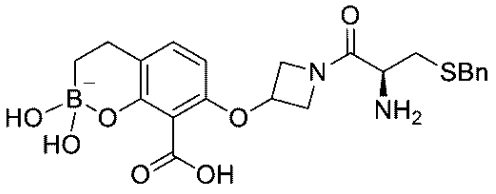
[Chemical Formula 985]



,

8-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

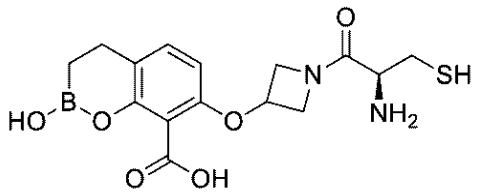
[Chemical Formula 986]



,

7-[(1-D-cysteinylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

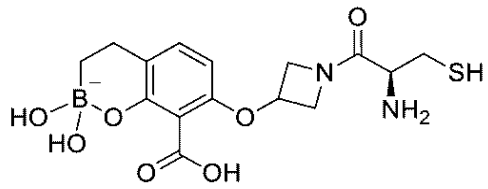
[Chemical Formula 987]



,

7-[(1-D-cysteinylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

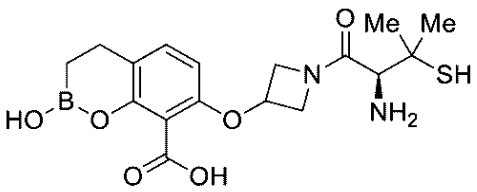
[Chemical Formula 988]



,

2-hydroxy-7-{[1-(3-sulfanyl-D-valyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

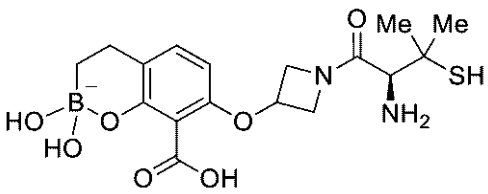
[Chemical Formula 989]



,

4,4-dihydroxy-8-{[1-(3-sulfanyl-D-valyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

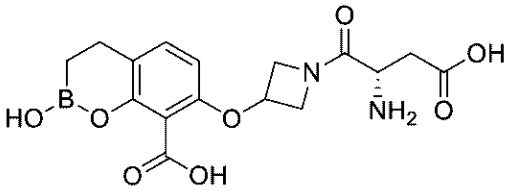
[Chemical Formula 990]



,

7-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

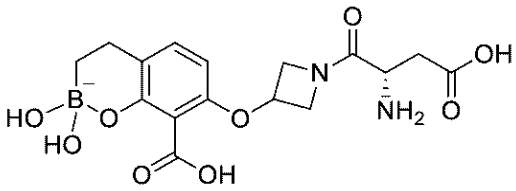
[Chemical Formula 991]



,

8-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

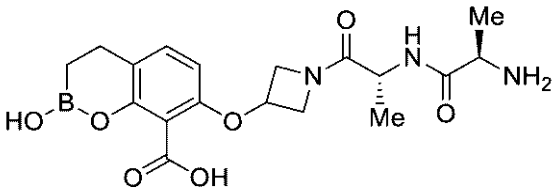
[Chemical Formula 992]



,

7-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

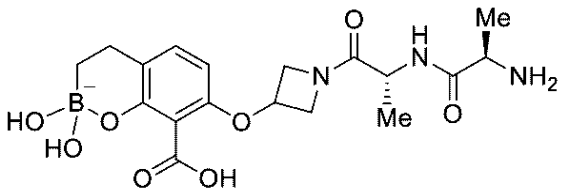
[Chemical Formula 993]



,

8-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

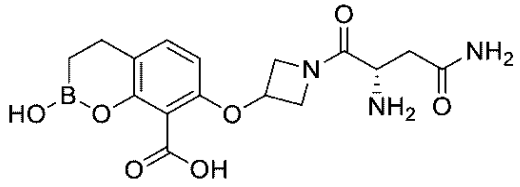
[Chemical Formula 994]



,

7-[(1-L-asparaginylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

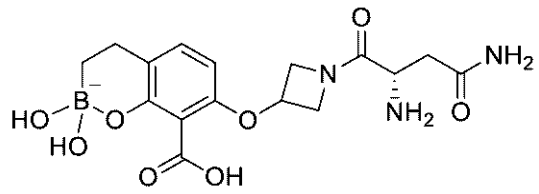
~~[Chemical Formula 995]~~



,

8-[(1-L-asparaginylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

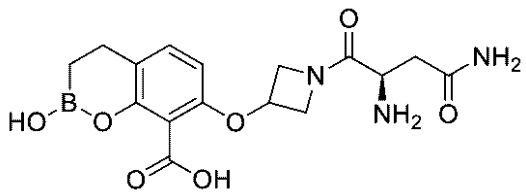
~~[Chemical Formula 996]~~



,

7-[(1-D-asparaginylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

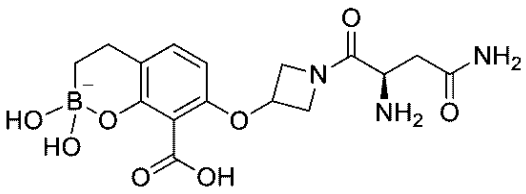
~~[Chemical Formula 997]~~



,

8-[(1-D-asparaginylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

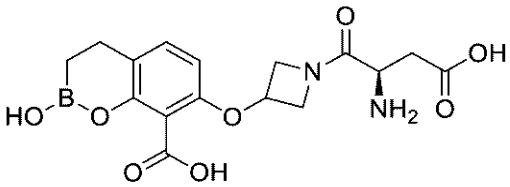
~~[Chemical Formula 998]~~



,

7-({1-[(2R)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

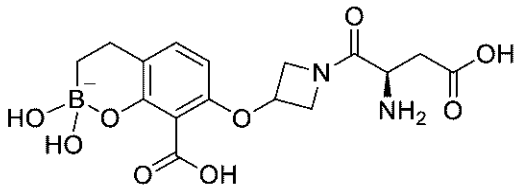
~~[Chemical Formula 999]~~



,

8-({1-[(2R)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

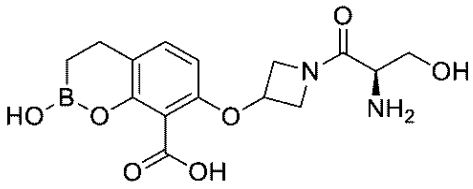
~~[Chemical Formula 1000]~~



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2-hydroxy-7-[(1-D-serylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

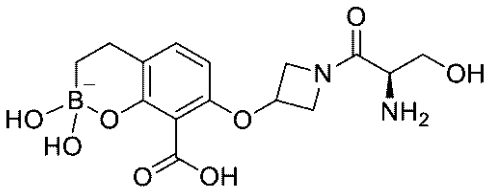
~~[Chemical Formula 1001]~~



,

4,4-dihydroxy-8-[(1-D-serylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

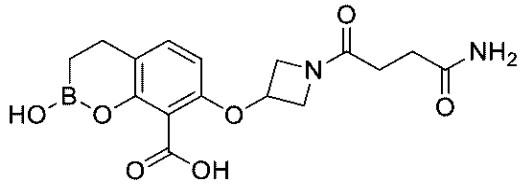
~~[Chemical Formula 1002]~~



,

7-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

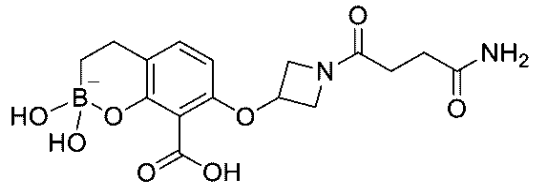
~~[Chemical Formula 1003]~~



,

8-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

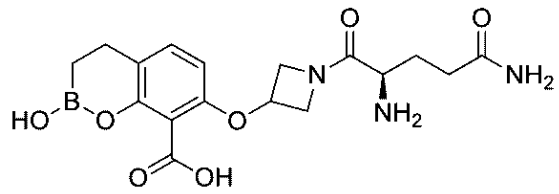
~~[Chemical Formula 1004]~~



,

7-[(1-D-glutaminylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

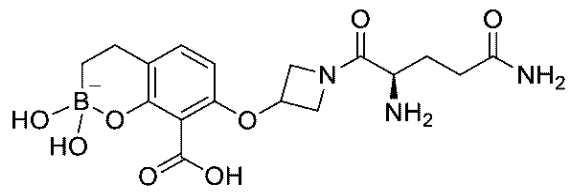
~~[Chemical Formula 1005]~~



,

8-[(1-D-glutaminylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

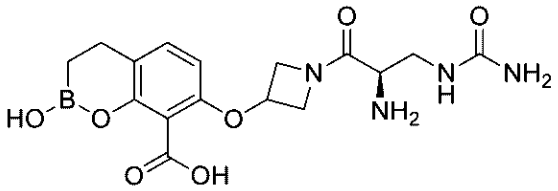
~~[Chemical Formula 1006]~~



,

7-({1-[3-(carbamoylamino)-D-alanyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

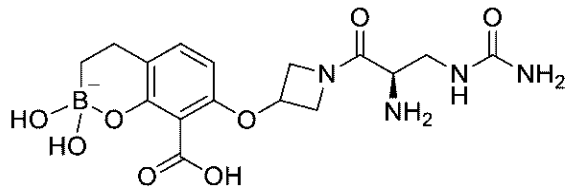
~~[Chemical Formula 1007]~~



,

8-({1-[3-(carbamoylamino)-D-alanyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

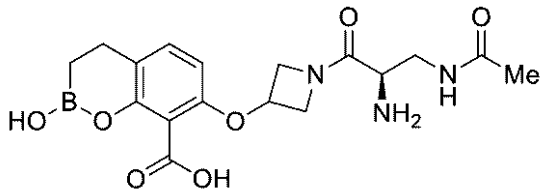
~~[Chemical Formula 1008]~~



,

7-{[1-(3-acetamido-D-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

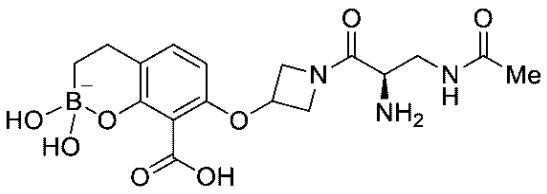
~~[Chemical Formula 1009]~~



,

8-{[1-(3-acetamido-D-alanyl)azetidin-3-yl]oxy-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

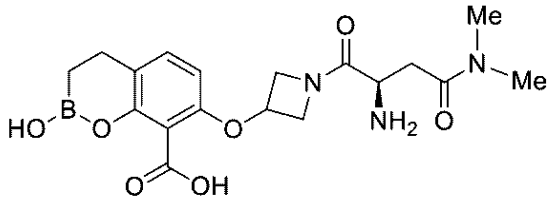
~~[Chemical Formula 1010]~~



,

7-{[1-(N,N-dimethyl-D-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

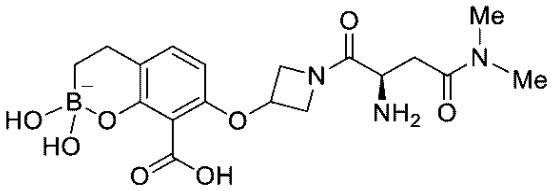
[Chemical Formula 1011]



,

8-{[1-(N,N-dimethyl-D-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

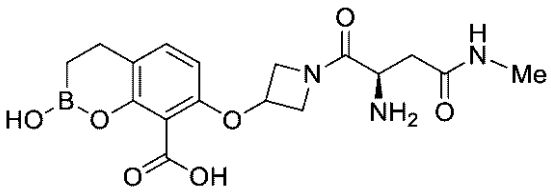
[Chemical Formula 1012]



,

2-hydroxy-7-{[1-(N-methyl-D-asparaginyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

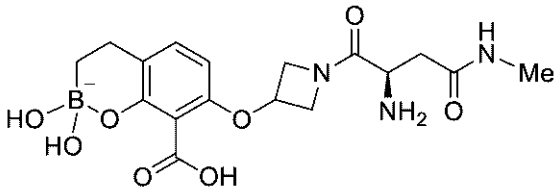
[Chemical Formula 1013]



,

4,4-dihydroxy-8-{[1-(N-methyl-D-asparaginyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

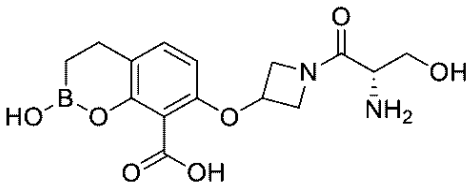
[Chemical Formula 1014]



,

2-hydroxy-7-[(1-L-serylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid

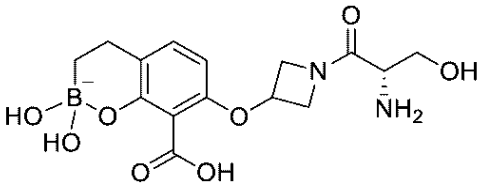
~~[Chemical Formula 1015]~~



,

4,4-dihydroxy-8-[(1-L-serylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

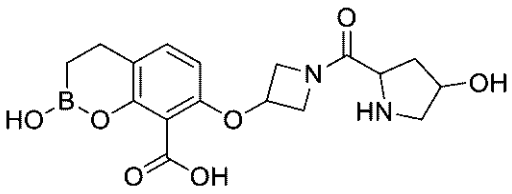
~~[Chemical Formula 1016]~~



,

2-hydroxy-7-{[1-(4-hydroxyprolyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

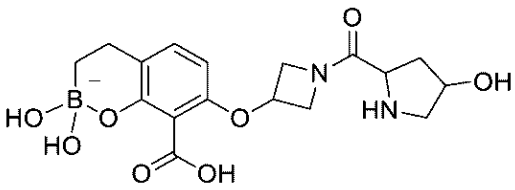
~~[Chemical Formula 1017]~~



,

4,4-dihydroxy-8-{[1-(4-hydroxyprolyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

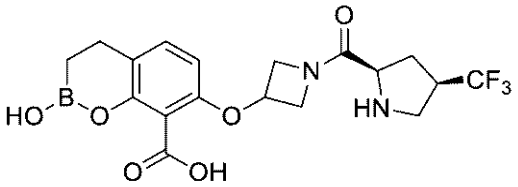
~~[Chemical Formula 1018]~~



,

2-hydroxy-7-({1-[(4R)-4-(trifluoromethyl)-D-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

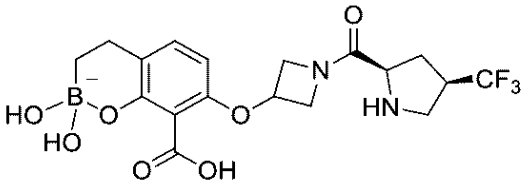
~~[Chemical Formula 1019]~~



,

4,4-dihydroxy-8-({1-[(4R)-4-(trifluoromethyl)-D-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

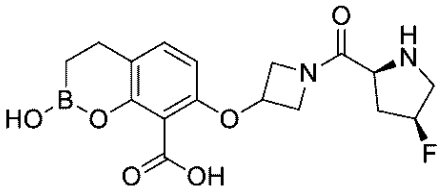
~~[Chemical Formula 1020]~~



,

7-({1-[(4S)-4-fluoro-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

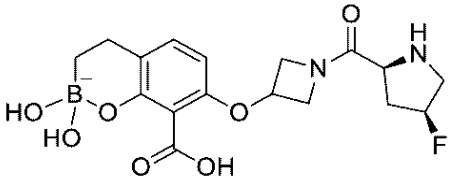
~~[Chemical Formula 1021]~~



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8-({1-[(4S)-4-fluoro-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

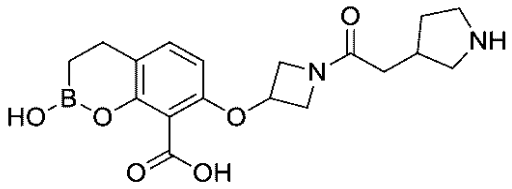
~~[Chemical Formula 1022]~~



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2-hydroxy-7-({1-[(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

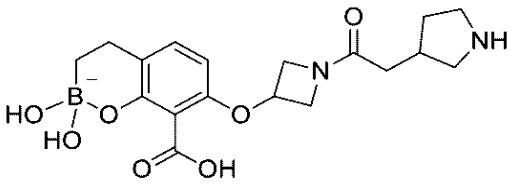
~~[Chemical Formula 1023]~~



,

4,4-dihydroxy-8-({1-[(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

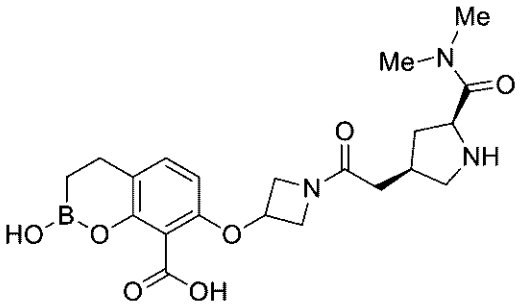
~~[Chemical Formula 1024]~~



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7-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

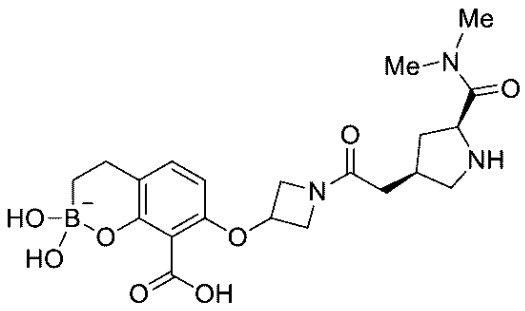
~~[Chemical Formula 1025]~~



,

8-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

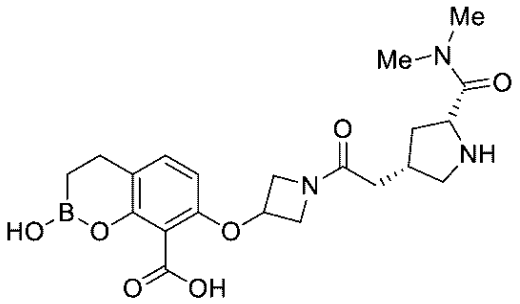
[Chemical Formula 1026]



,

7-[(1-{[(3S,5R)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

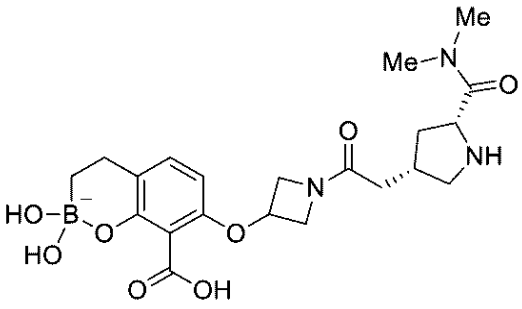
[Chemical Formula 1027]



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8-[(1-{[(3S,5R)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

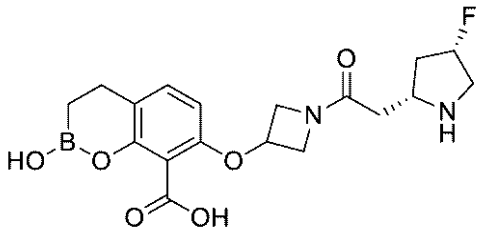
[Chemical Formula 1028]



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7-[(1-{[(2R,4S)-4-fluoropyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

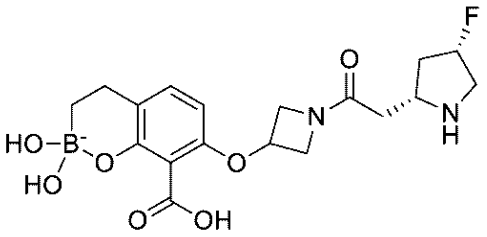
~~[Chemical Formula 1029]~~



,

8-[(1-{[(2R,4S)-4-fluoropyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

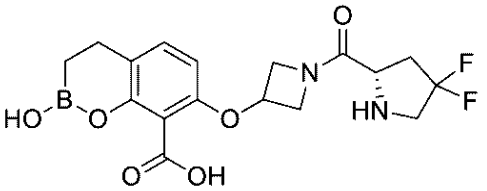
~~[Chemical Formula 1030]~~



,

7-{[1-(4,4-difluoro-L-prolyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

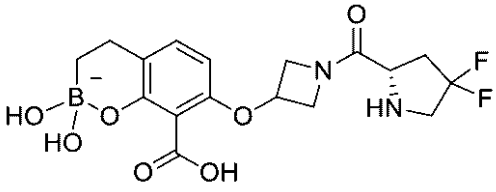
~~[Chemical Formula 1031]~~



,

8-{[1-(4,4-difluoro-L-prolyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

~~[Chemical Formula 1032]~~

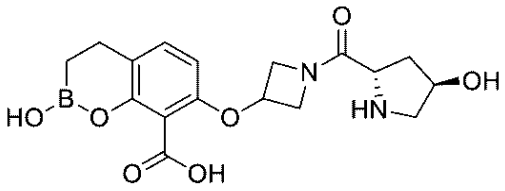


,

2-hydroxy-7-({1-[(4R)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic

acid

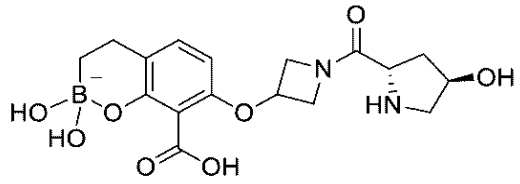
~~[Chemical Formula 1033]~~



,

4,4-dihydroxy-8-({1-[(4R)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

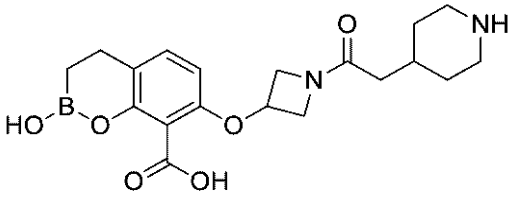
~~[Chemical Formula 1034]~~



,

2-hydroxy-7-({1-[(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

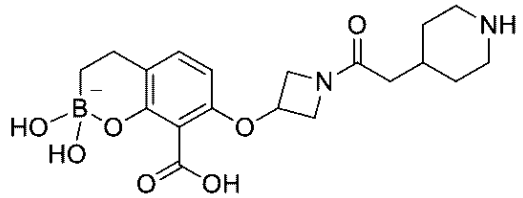
~~[Chemical Formula 1035]~~



,

4,4-dihydroxy-8-({1-[(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

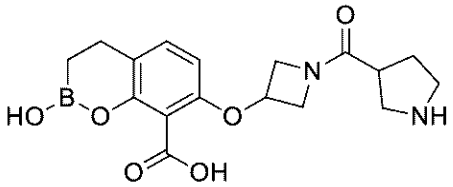
~~[Chemical Formula 1036]~~



,

2-hydroxy-7-{[1-(pyrrolidine-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

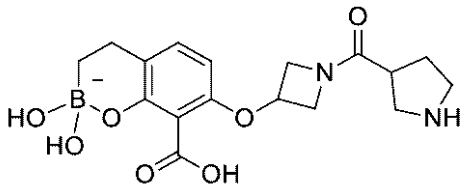
[Chemical Formula 1037]



,

4,4-dihydroxy-8-{[1-(pyrrolidine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

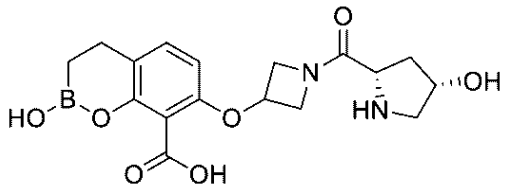
[Chemical Formula 1038]



,

2-hydroxy-7-({1-[(4S)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

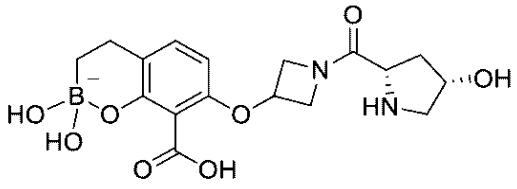
[Chemical Formula 1039]



,

4,4-dihydroxy-8-({1-[(4S)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

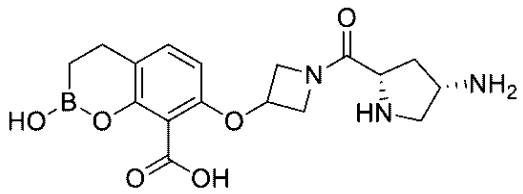
[Chemical Formula 1040]



,

7-({1-[(4S)-4-amino-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

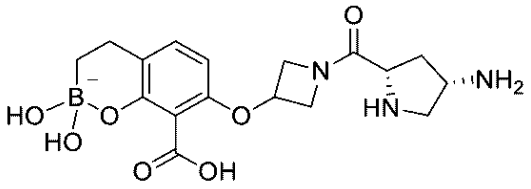
[Chemical Formula 1041]



,

8-({1-[(4S)-4-amino-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

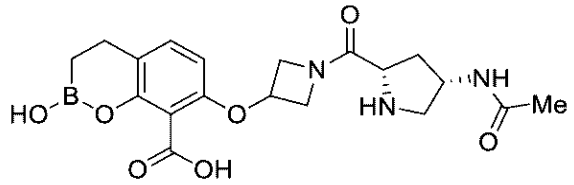
[Chemical Formula 1042]



,

7-({1-[(4S)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

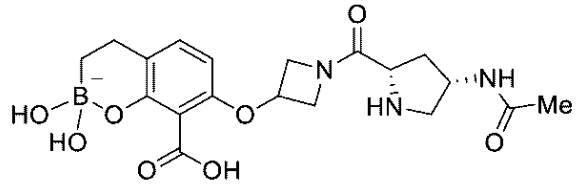
[Chemical Formula 1043]



,

8-({1-[(4S)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

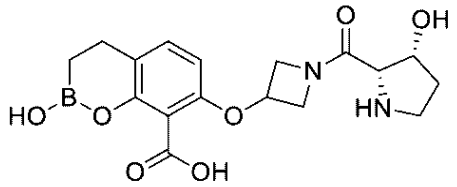
[Chemical Formula 1044]



,

2-hydroxy-7-({1-[(3R)-3-hydroxy-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

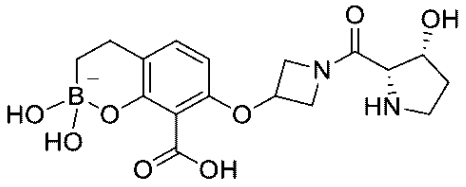
~~[Chemical Formula 1045]~~



,

4,4-dihydroxy-8-({1-[(3R)-3-hydroxy-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

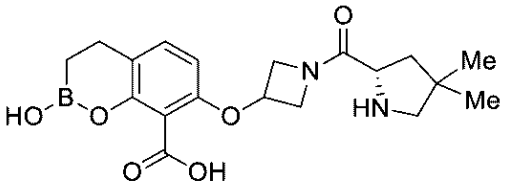
~~[Chemical Formula 1046]~~



,

7-{[1-(4,4-dimethyl-L-prolyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

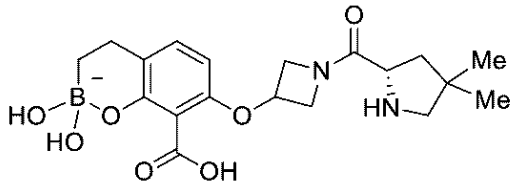
~~[Chemical Formula 1047]~~



,

8-{[1-(4,4-dimethyl-L-prolyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

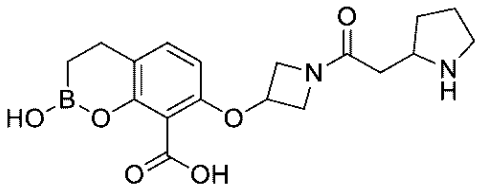
~~[Chemical Formula 1048]~~



,

2-hydroxy-7-({1-[(pyrrolidin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

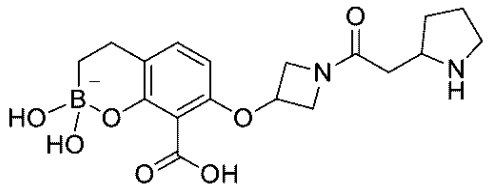
~~[Chemical Formula 1049]~~



,

4,4-dihydroxy-8-({1-[(pyrrolidin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

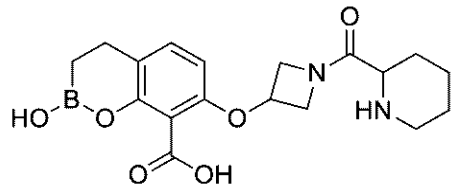
~~[Chemical Formula 1050]~~



,

2-hydroxy-7-{[1-(piperidine-2-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

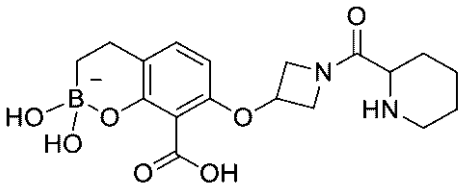
~~[Chemical Formula 1051]~~



,

4,4-dihydroxy-8-{[1-(piperidine-2-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

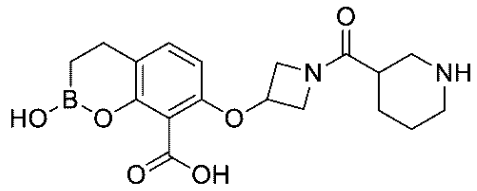
~~[Chemical Formula 1052]~~



,

2-hydroxy-7-{[1-(piperidine-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

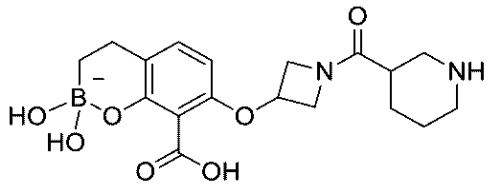
[Chemical Formula 1053]



,

4,4-dihydroxy-8-{[1-(piperidine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

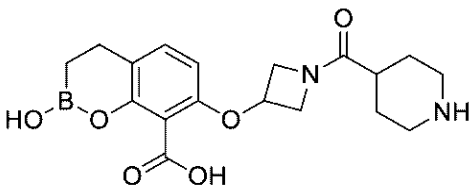
[Chemical Formula 1054]



,

2-hydroxy-7-{[1-(piperidine-4-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

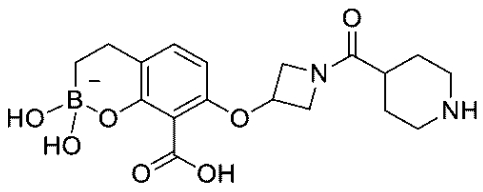
[Chemical Formula 1055]



,

4,4-dihydroxy-8-{[1-(piperidine-4-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

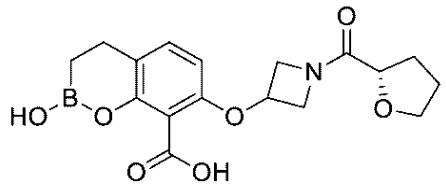
[Chemical Formula 1056]



,

2-hydroxy-7-({1-[(2S)-oxolane-2-carbonyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

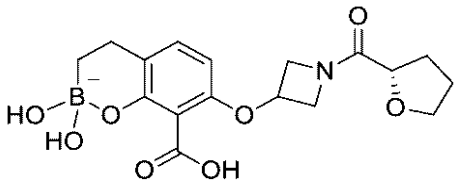
~~[Chemical Formula 1057]~~



,

4,4-dihydroxy-8-({1-[(2S)-oxolane-2-carbonyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

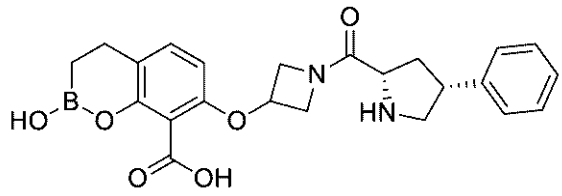
~~[Chemical Formula 1058]~~



,

2-hydroxy-7-({1-[(4R)-4-phenyl-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

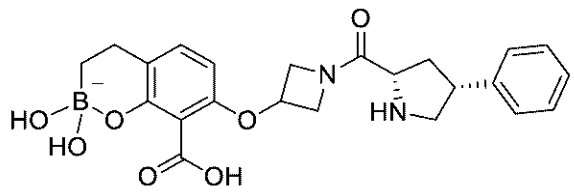
~~[Chemical Formula 1059]~~



,

4,4-dihydroxy-8-({1-[(4R)-4-phenyl-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

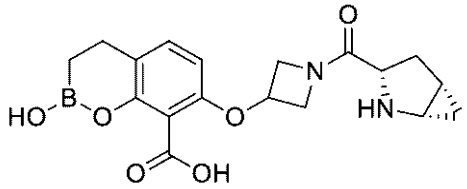
~~[Chemical Formula 1060]~~



,

7-({1-[(1S,3S,5S)-2-azabicyclo[3.1.0]hexane-3-carbonyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

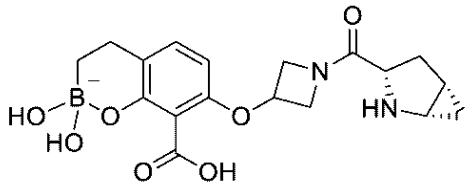
~~[Chemical Formula 1061]~~



,

8-({1-[(1S,3S,5S)-2-azabicyclo[3.1.0]hexane-3-carbonyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

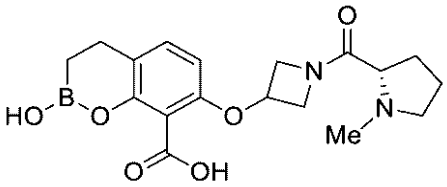
~~[Chemical Formula 1062]~~



,

2-hydroxy-7-{[1-(1-methyl-L-prolyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

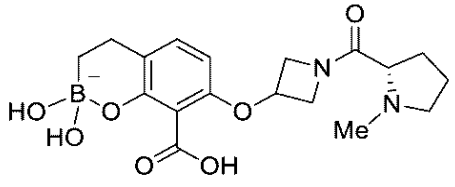
~~[Chemical Formula 1063]~~



,

4,4-dihydroxy-8-{[1-(1-methyl-L-prolyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid

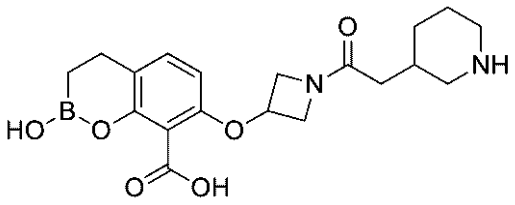
~~[Chemical Formula 1064]~~



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2-hydroxy-7-({1-[(piperidin-3-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

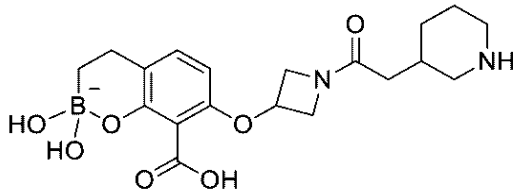
~~[Chemical Formula 1065]~~



,

4,4-dihydroxy-8-({1-[(piperidin-3-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

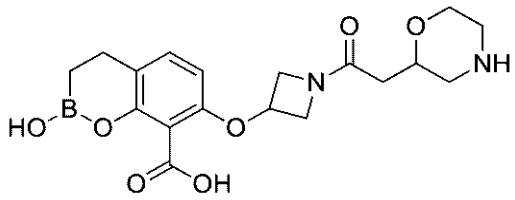
~~[Chemical Formula 1066]~~



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2-hydroxy-7-({1-[(morpholin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

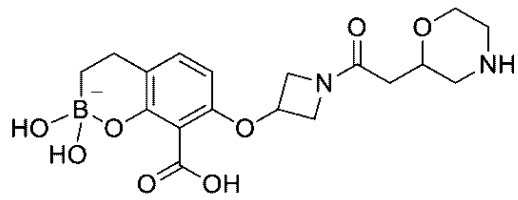
~~[Chemical Formula 1067]~~



,

4,4-dihydroxy-8-({1-[(morpholin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

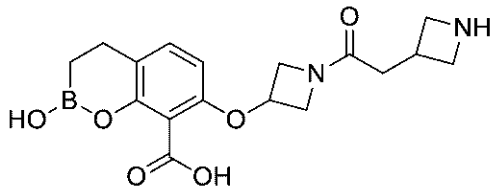
~~[Chemical Formula 1068]~~



,

7-({1-[(azetidin-3-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

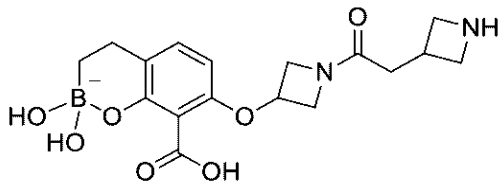
~~[Chemical Formula 1069]~~



,

8-({1-[(azetidin-3-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

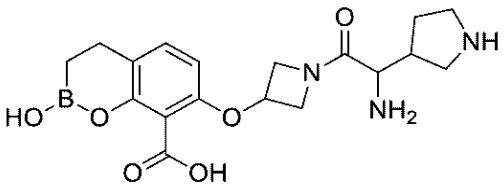
~~[Chemical Formula 1070]~~



,

7-({1-[amino(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

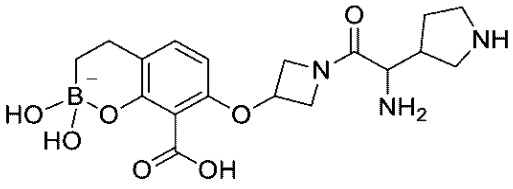
~~[Chemical Formula 1071]~~



,

8-({1-[amino(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

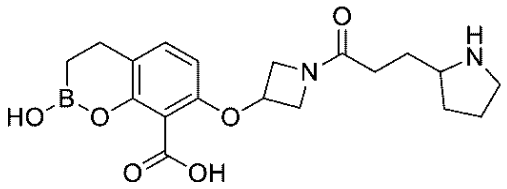
~~[Chemical Formula 1072]~~



,

2-hydroxy-7-({1-[3-(pyrrolidin-2-yl)propanoyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

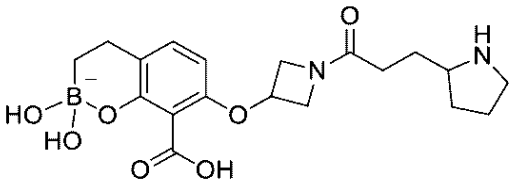
[Chemical Formula 1073]



,

4,4-dihydroxy-8-({1-[3-(pyrrolidin-2-yl)propanoyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

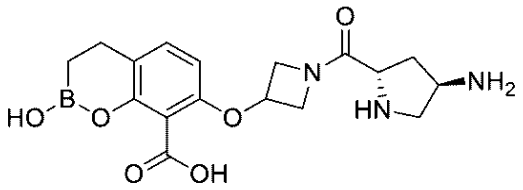
[Chemical Formula 1074]



,

7-({1-[(4R)-4-amino-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

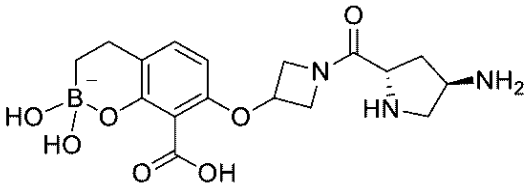
[Chemical Formula 1075]



,

8-({1-[(4R)-4-amino-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

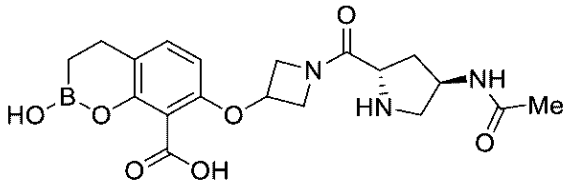
[Chemical Formula 1076]



,

7-({1-[(4R)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

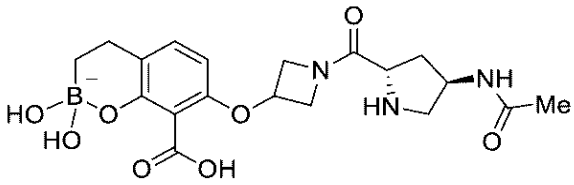
~~[Chemical Formula 1077]~~



,

8-({1-[(4R)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

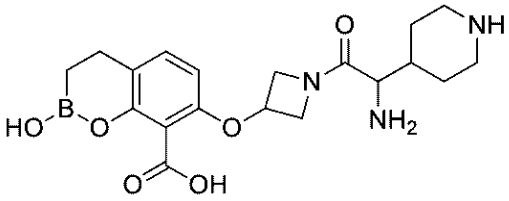
~~[Chemical Formula 1078]~~



,

7-({1-[amino(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

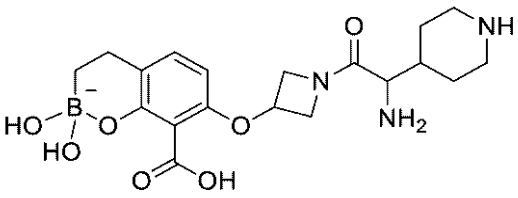
~~[Chemical Formula 1079]~~



,

8-({1-[amino(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

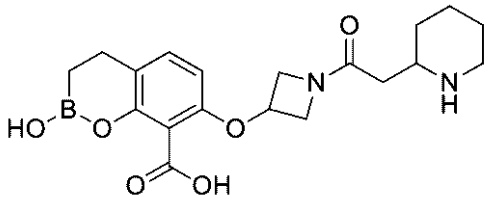
~~[Chemical Formula 1080]~~



,

2-hydroxy-7-({1-[(piperidin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

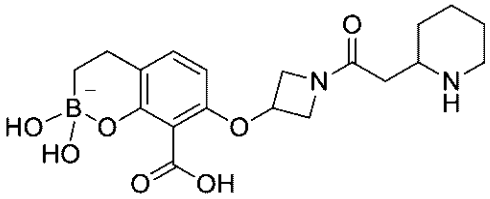
[Chemical Formula 1081]



,

4,4-dihydroxy-8-({1-[(piperidin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

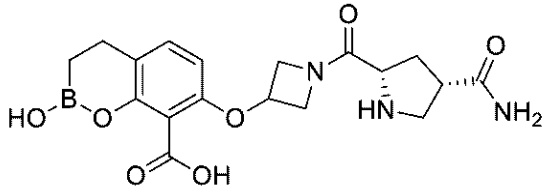
[Chemical Formula 1082]



,

7-({1-[(4S)-4-carbamoyl-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

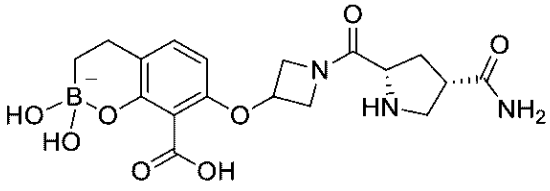
[Chemical Formula 1083]



,

8-({1-[(4S)-4-carbamoyl-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

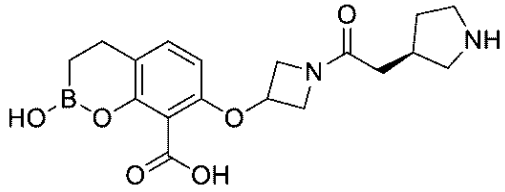
[Chemical Formula 1084]



,

2-hydroxy-7-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid

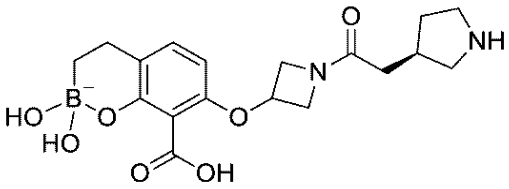
~~[Chemical Formula 1085]~~



,

4,4-dihydroxy-8-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

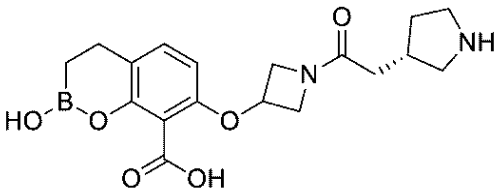
~~[Chemical Formula 1086]~~



,

2-hydroxy-7-[(1-{[(3S)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid

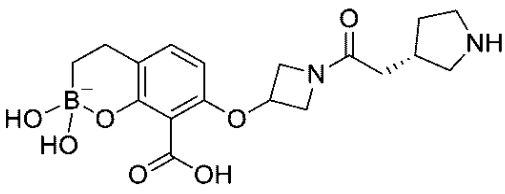
~~[Chemical Formula 1087]~~



,

4,4-dihydroxy-8-[(1-{[(3S)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

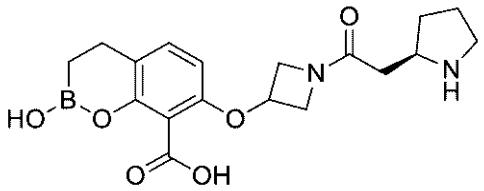
~~[Chemical Formula 1088]~~



,

2-hydroxy-7-[(1-{[(2R)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid

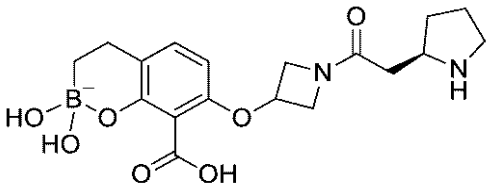
~~[Chemical Formula 1089]~~



,

4,4-dihydroxy-8-[(1-{[(2R)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

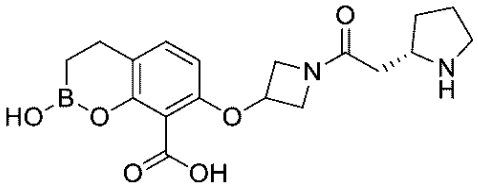
~~[Chemical Formula 1090]~~



,

2-hydroxy-7-[(1-{[(2S)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid

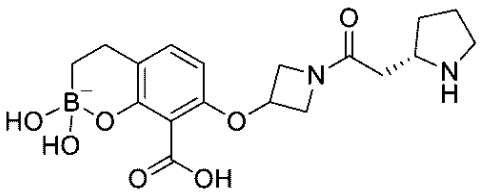
~~[Chemical Formula 1091]~~



,

4,4-dihydroxy-8-[(1-{[(2S)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

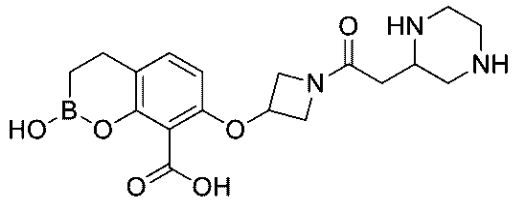
~~[Chemical Formula 1092]~~



,

2-hydroxy-7-({1-[(piperazin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

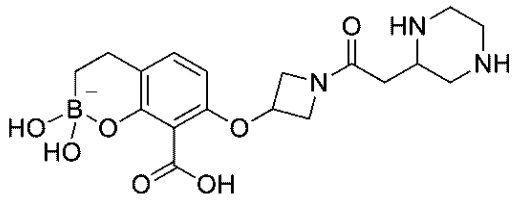
[Chemical Formula 1093]



,

4,4-dihydroxy-8-({1-[(piperazin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

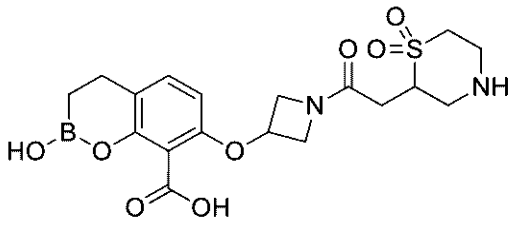
[Chemical Formula 1094]



,

7-({1-[(1,1-dioxo-1λ⁶-thiomorpholin-2-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

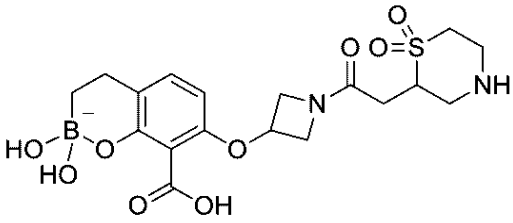
[Chemical Formula 1095]



,

8-({1-[(1,1-dioxo-1λ⁶-thiomorpholin-2-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

[Chemical Formula 1096]

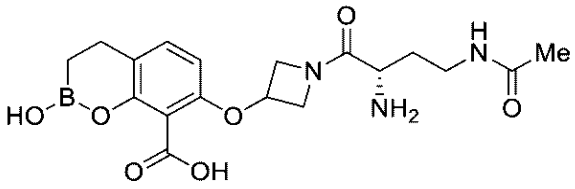


,

7-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-

2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

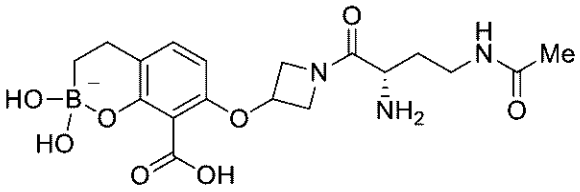
~~[Chemical Formula 1097]~~



,

8-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

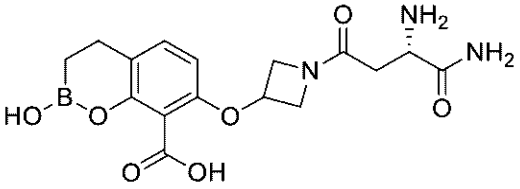
~~[Chemical Formula 1098]~~



,

7-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

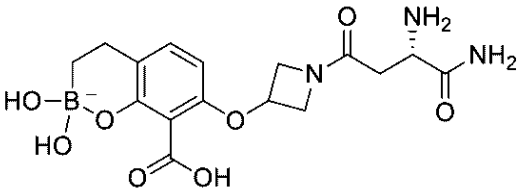
~~[Chemical Formula 1099]~~



,

8-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

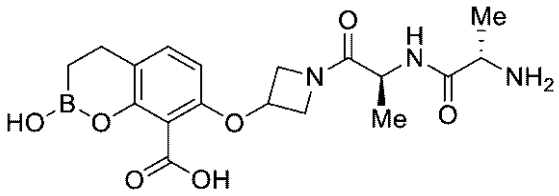
~~[Chemical Formula 1100]~~



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7-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

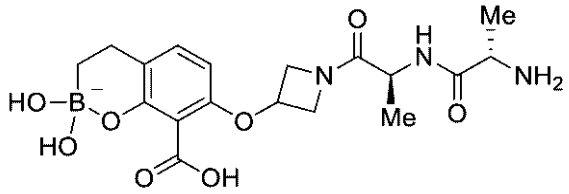
[Chemical Formula 1101]



,

8-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

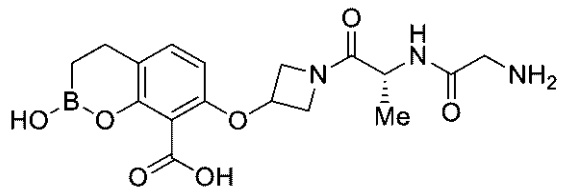
[Chemical Formula 1102]



,

7-{[1-(glycyl-D-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

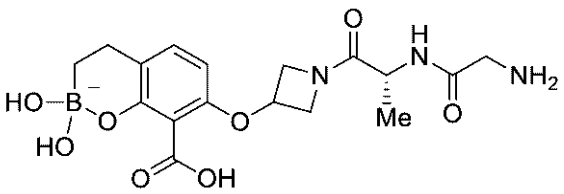
[Chemical Formula 1103]



,

8-{[1-(glycyl-D-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

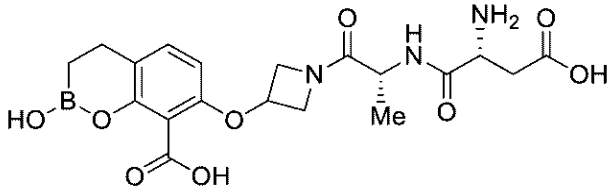
[Chemical Formula 1104]



,

N-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-asparagine

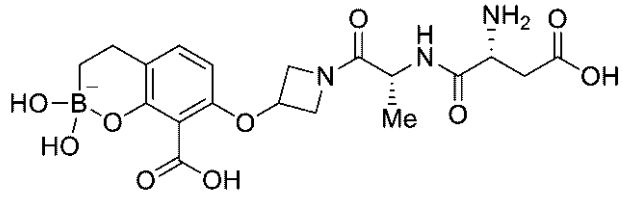
~~[Chemical Formula 1105]~~



,

N-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-asparagine

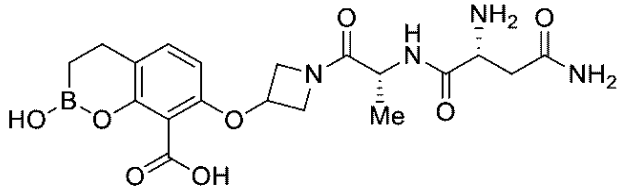
~~[Chemical Formula 1106]~~



,

N^1-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide

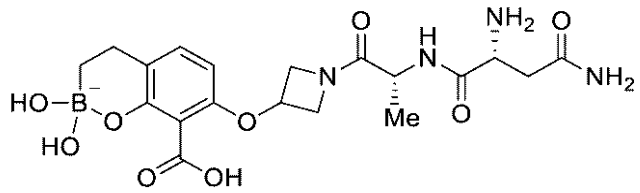
~~[Chemical Formula 1107]~~



,

N^1-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide

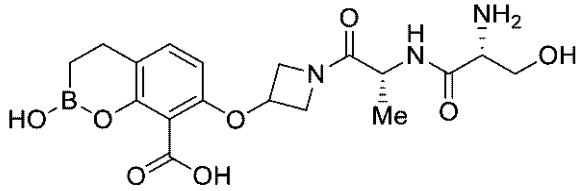
~~[Chemical Formula 1108]~~



,

N-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide

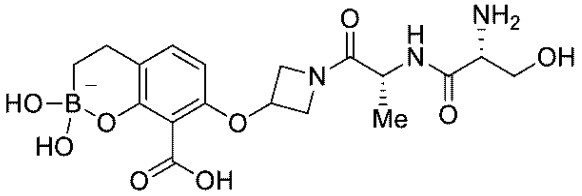
~~[Chemical Formula 1109]~~



,

N-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide

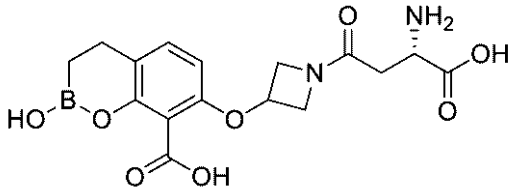
~~[Chemical Formula 1110]~~



,

7-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

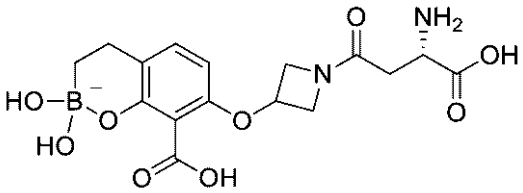
~~[Chemical Formula 1111]~~



,

8-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

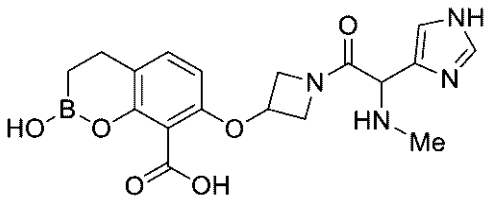
~~[Chemical Formula 1112]~~



,

2-hydroxy-7-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

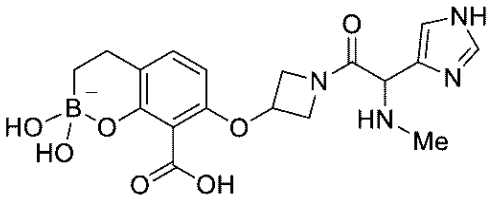
~~[Chemical Formula 1113]~~



,

4,4-dihydroxy-8-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

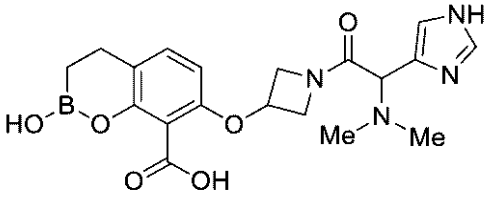
~~[Chemical Formula 1114]~~



,

2-hydroxy-7-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

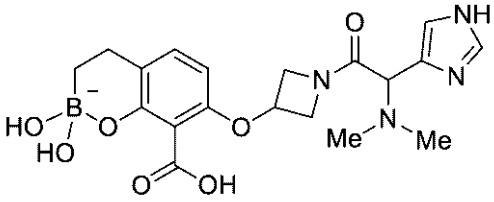
~~[Chemical Formula 1115]~~



,

4,4-dihydroxy-8-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

~~[Chemical Formula 1116]~~

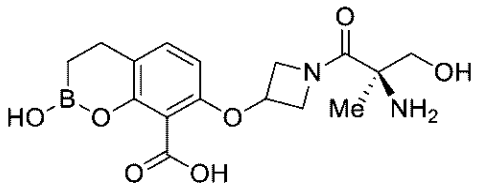


,

2-hydroxy-7-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}-3,4-

dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

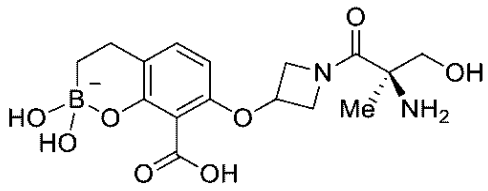
~~[Chemical Formula 1117]~~



,

4,4-dihydroxy-8-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

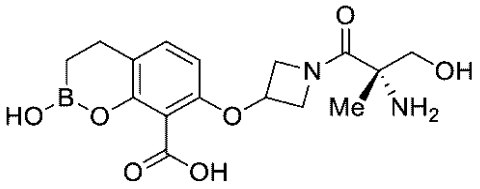
~~[Chemical Formula 1118]~~



,

2-hydroxy-7-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

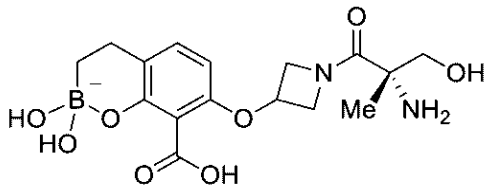
~~[Chemical Formula 1119]~~



,

4,4-dihydroxy-8-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

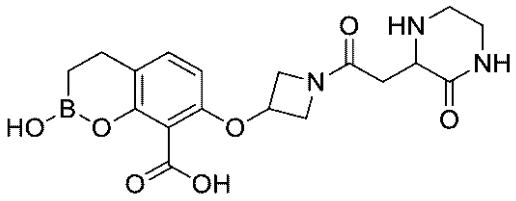
~~[Chemical Formula 1120]~~



,

2-hydroxy-7-({1-[(3-oxopiperazin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

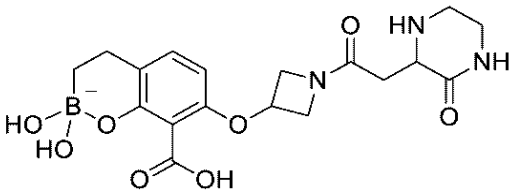
[Chemical Formula 1121]



,

4,4-dihydroxy-8-({1-[(3-oxopiperazin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

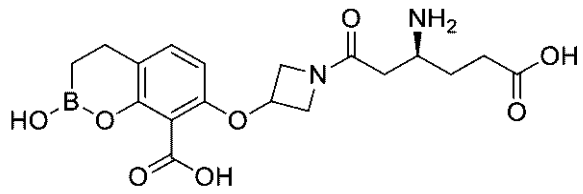
[Chemical Formula 1122]



,

7-({1-[(3S)-3-amino-5-carboxypentanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

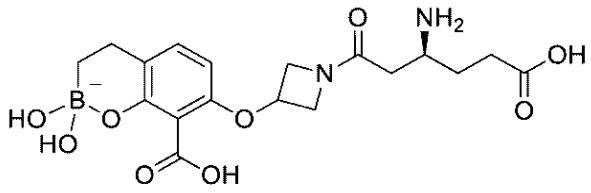
[Chemical Formula 1123]



,

8-({1-[(3S)-3-amino-5-carboxypentanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

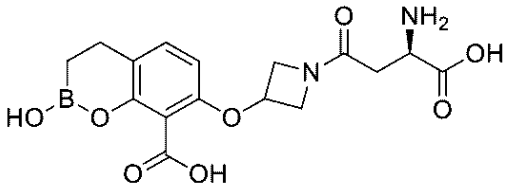
[Chemical Formula 1124]



,

7-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

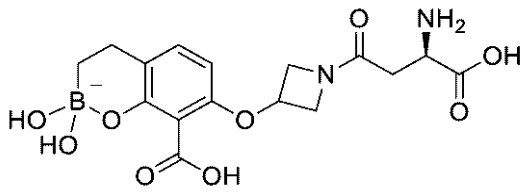
[Chemical Formula 1125]



,

8-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

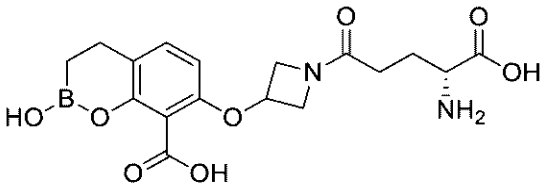
[Chemical Formula 1126]



,

7-({1-[(4R)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

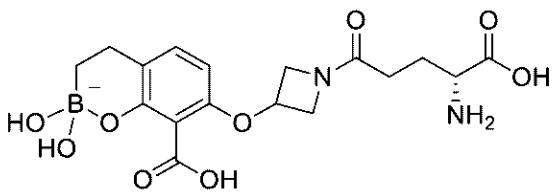
[Chemical Formula 1127]



,

8-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

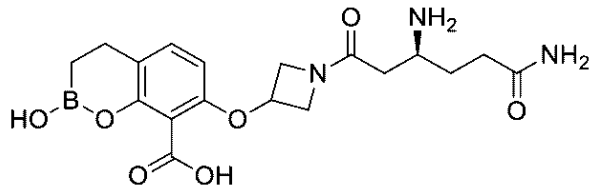
[Chemical Formula 1128]



,

7-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

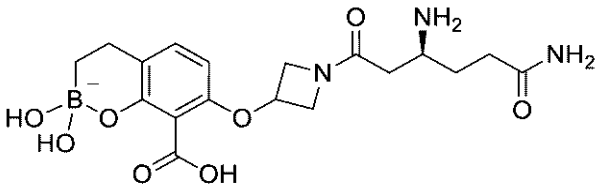
[Chemical Formula 1129]



,

8-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

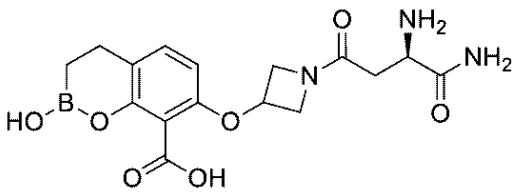
[Chemical Formula 1130]



,

7-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

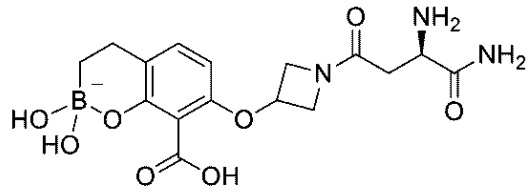
[Chemical Formula 1131]



,

8-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

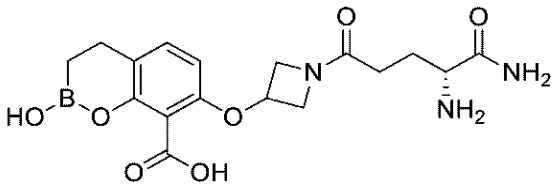
[Chemical Formula 1132]



,

7-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

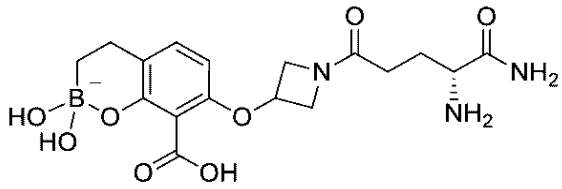
~~[Chemical Formula 1133]~~



,

8-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

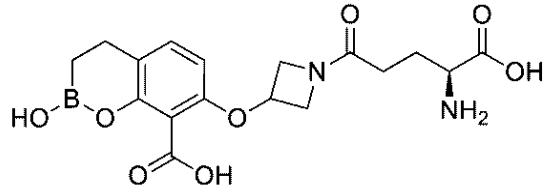
~~[Chemical Formula 1134]~~



,

7-({1-[(4S)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

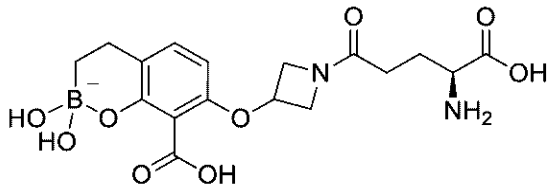
~~[Chemical Formula 1135]~~



,

8-({1-[(4S)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

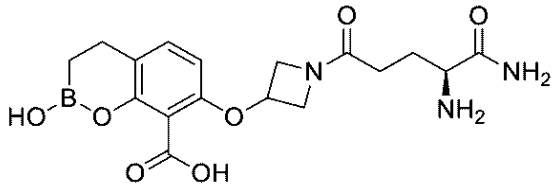
~~[Chemical Formula 1136]~~



,

7-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

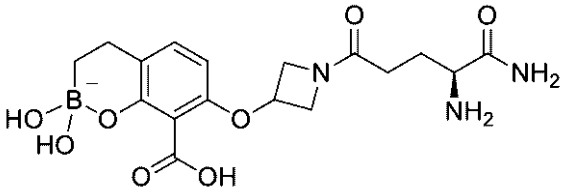
[Chemical Formula 1137]



,

8-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

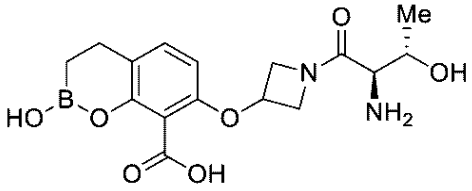
[Chemical Formula 1138]



,

2-hydroxy-7-[(1-D-threonylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

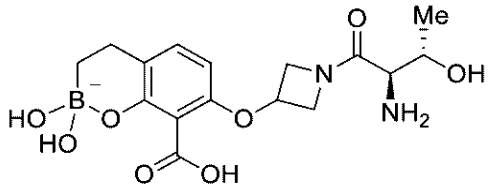
[Chemical Formula 1139]



,

4,4-dihydroxy-8-[(1-D-threonylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

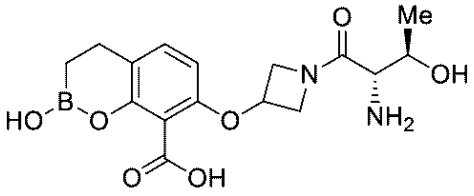
[Chemical Formula 1140]



,

2-hydroxy-7-[(1-L-threonylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

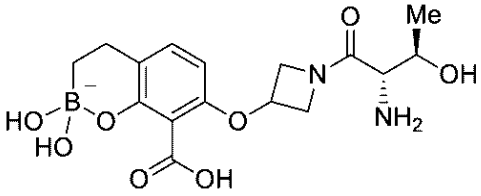
[Chemical Formula 1141]



, or

4,4-dihydroxy-8-[(1-L-threonylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid

[Chemical Formula 1142]

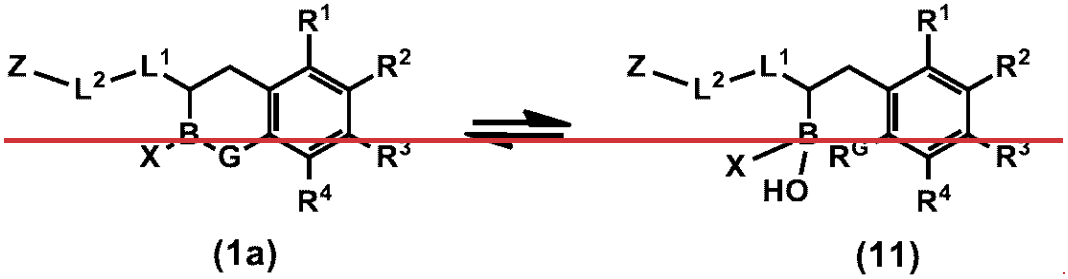


.

[Claim 55]

A compound represented by formula (11):

[Chemical Formula 1143]



(1a) (11)

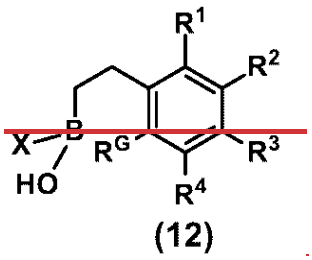
or a pharmaceutically acceptable salt thereof,

wherein R^G is a hydroxyl group, a thiol group, or $-NHR^{a1}$, R^{a1}, Z, L^1, L^2, X, R^1, R^2, R^3, and R^4 are defined the same as the definition according to claim 1, and formula (1a) is defined the same as claim 1.

[Claim 56]

The compound or the pharmaceutically acceptable salt thereof according to claim 55, wherein the compound of formula (11) is represented by formula (12):

[Chemical Formula 1144]



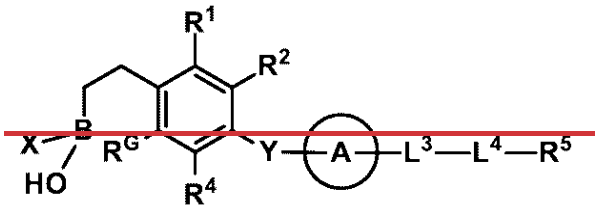
(12)

wherein X, R^1, R^2, R^3, and R^4 are defined the same as the definition according to claim 8.

[Claim 57]

The compound or the pharmaceutically acceptable salt thereof according to claim 55 or 56, wherein the compound of formula (12) is represented by formula (13):

[Chemical Formula 1145]



(13)

wherein X, Y, ring A, L^3, L^4, R^1, R^2, R^4, and R^5 are defined the same as the definition according to any one of claims 10 to 14 and 16 to 21.

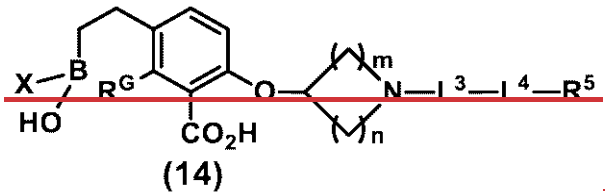
[Claim 58]

The compound or the pharmaceutically acceptable salt thereof according to claim 57, wherein X and R^G are hydroxyl groups, R^4 is a carboxyl group, and ring A is an optionally substituted 4- to 6-membered nitrogen-containing non-aryl heterocycle.

[Claim 59]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 58, wherein the compound of formula (13) is represented by formula (14):

[Chemical Formula 1146]



(14)

wherein X, L^3, L^4, m, n, and R^5 are defined the same as the definition according to claim 22.

[Claim 60]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 59, wherein R^G is a hydroxyl group or a thiol group.

[Claim 61]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 60, wherein R^G is a hydroxyl group.

[Claim 62]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 61, wherein X is a hydroxyl group or a C_{1-6} alkoxy group.

[Claim 63]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 62, wherein X is a hydroxyl group.

[Claim 64]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 59 to 63, wherein m is 1 or 2, n is 1 or 2, and m + n is 2 or 3.

[Claim 65]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 59 to 64, wherein m is 1, and n is 1.

[Claim 66]

The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 65, wherein L^3 is defined the same as the definition according to claim 16

~~or 17.~~

~~[Claim 67]~~

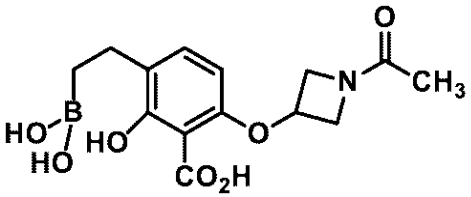
~~The compound or the pharmaceutically acceptable salt thereof according to any one of claims 55 to 66, wherein L^4 and R^5 are defined the same as the definitions according to any one of claims 18, 25 to 37, and 42 to 52.~~

[Claim ~~68~~43]

~~The~~ A compound or the pharmaceutically acceptable salt thereof~~ according to claim 55~~, selected from the group consisting of the following compounds:

6-[(1-acetylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

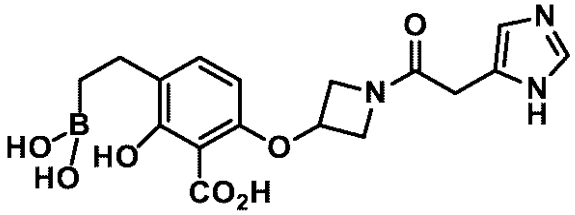
~~[Chemical Formula 1147]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

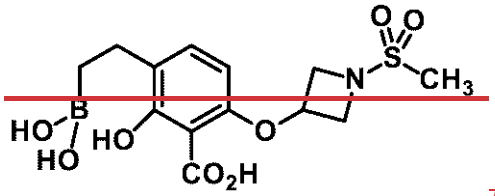
~~[Chemical Formula 1148]~~



,

~~3-(2-boronoethyl)-2-hydroxy-6-{[1-(methanesulfonyl)azetidin-3-yl]oxy}benzoic acid~~

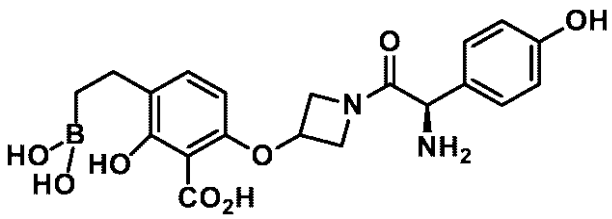
~~[Chemical Formula 1149]~~



~~,~~

6-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

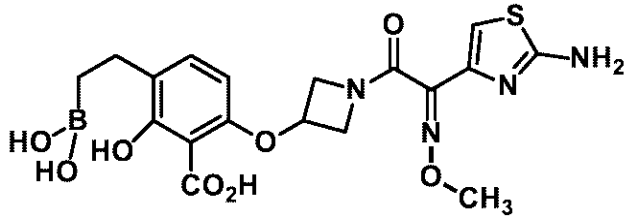
[Chemical Formula 1150]



,

6-({1-[(2-amino-1,3-thiazol-4-yl)(methoxyimino)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

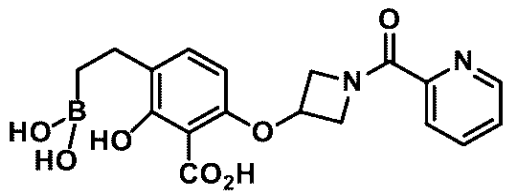
[Chemical Formula 1151]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}benzoic acid

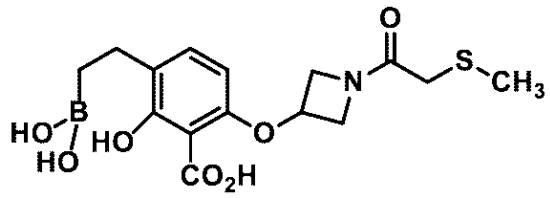
[Chemical Formula 1152]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(methylsulfanyl)acetyl]azetidin-3-yl}oxy)benzoic acid

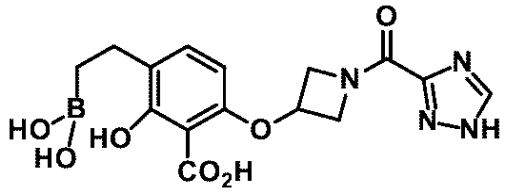
[Chemical Formula 1153]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}benzoic acid

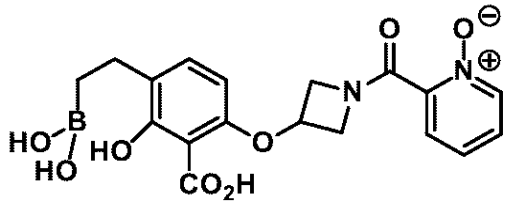
[Chemical Formula 1154]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1-oxido-2-pyridinylcarbonyl)azetidin-3-yl]oxy}benzoic acid

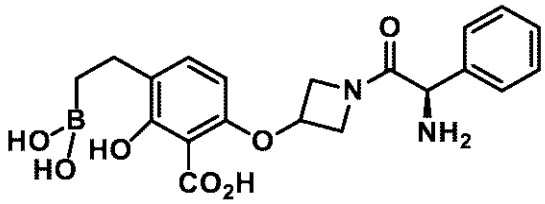
[Chemical Formula 1155]



,

6-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

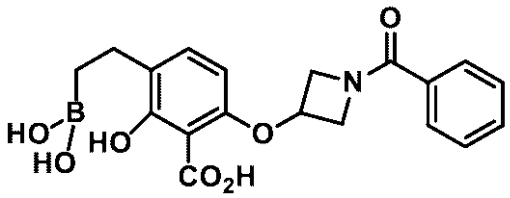
[Chemical Formula 1156]



,

6-[(1-benzoylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

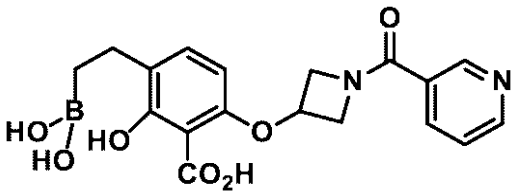
[Chemical Formula 1157]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(pyridine-3-carbonyl)azetidin-3-yl]oxy}benzoic acid

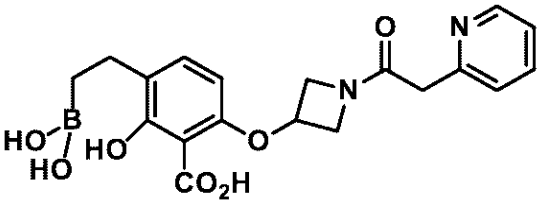
[Chemical Formula 1158]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

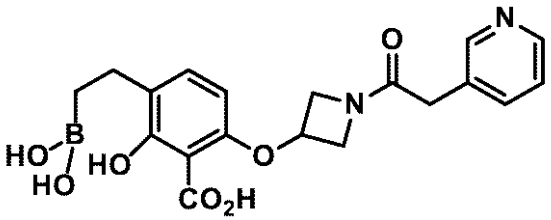
[Chemical Formula 1159]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

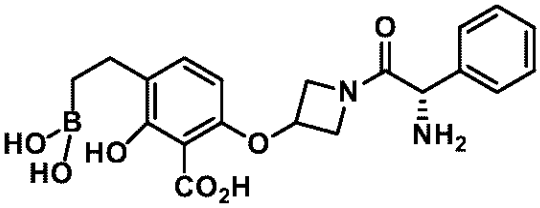
[Chemical Formula 1160]



,

6-({1-[(2S)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

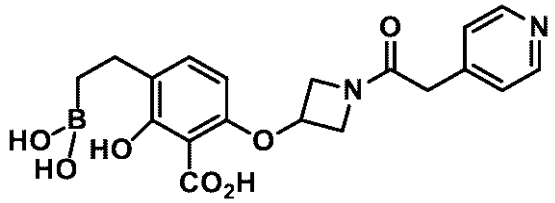
[Chemical Formula 1161]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-4-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

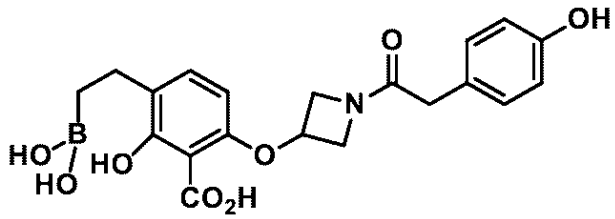
~~[Chemical Formula 1162]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)benzoic acid

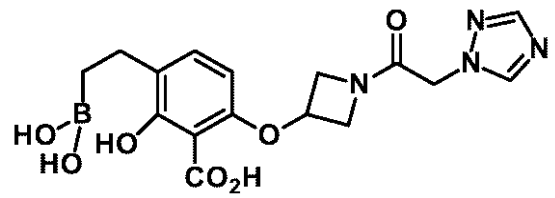
~~[Chemical Formula 1163]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,4-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

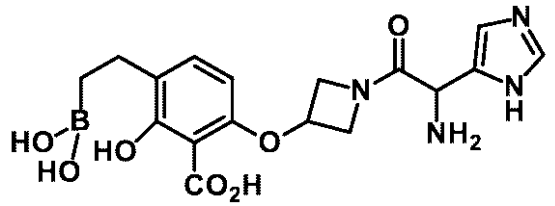
~~[Chemical Formula 1164]~~



,

6-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

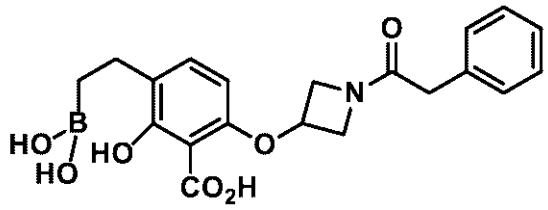
~~[Chemical Formula 1165]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(phenylacetyl)azetidin-3-yl]oxy}benzoic acid

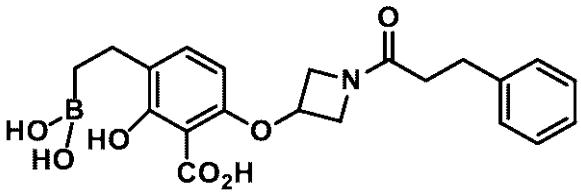
~~[Chemical Formula 1166]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(3-phenylpropanoyl)azetidin-3-yl]oxy}benzoic acid

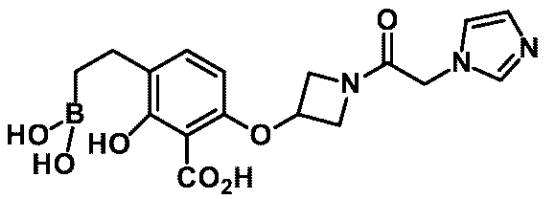
~~[Chemical Formula 1167]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

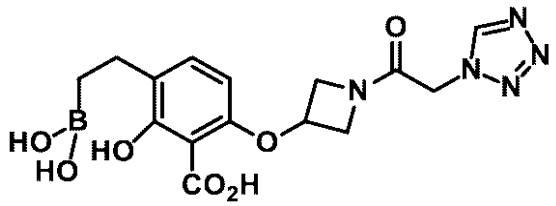
~~[Chemical Formula 1168]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-tetrazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

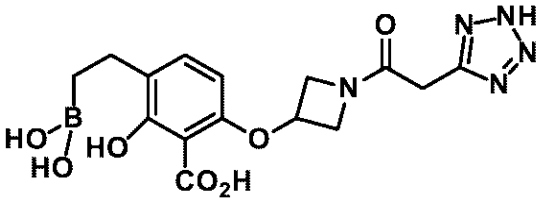
~~[Chemical Formula 1169]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(2H-tetrazol-5-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

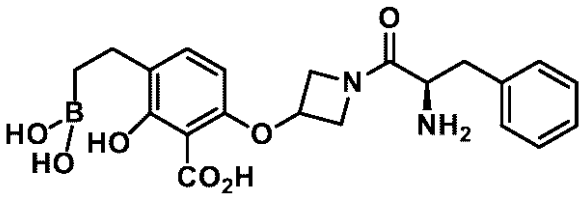
[Chemical Formula 1170]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-phenylalanylazetidin-3-yl)oxy]benzoic acid

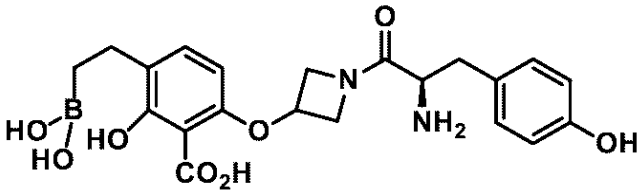
[Chemical Formula 1171]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-tyrosylazetidin-3-yl)oxy]benzoic acid

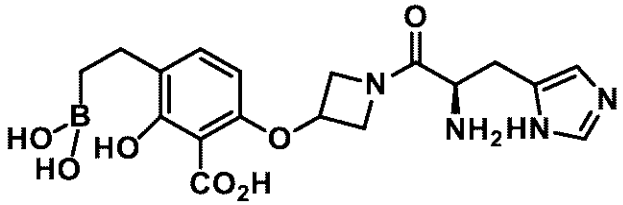
[Chemical Formula 1172]



,

3-(2-boronoethyl)-6-[(1-D-histidylazetidin-3-yl)oxy]-2-hydroxybenzoic acid

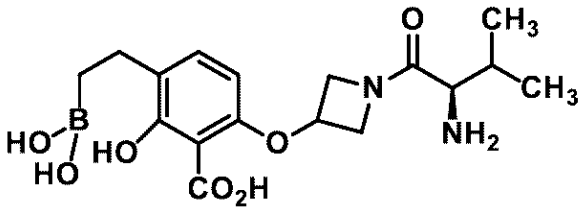
[Chemical Formula 1173]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-valylazetidin-3-yl)oxy]benzoic acid

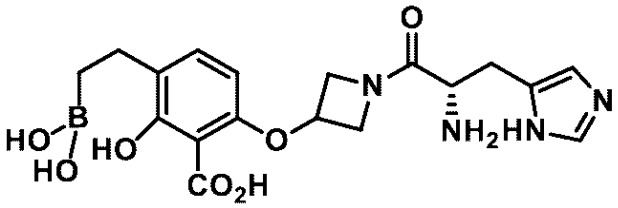
[Chemical Formula 1174]



,

3-(2-boronoethyl)-6-[(1-L-histidylazetidin-3-yl)oxy]-2-hydroxybenzoic acid

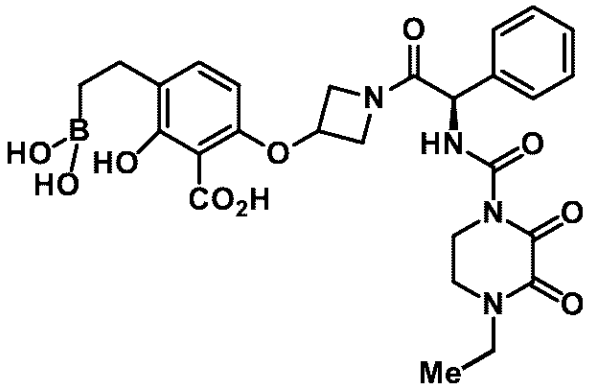
[Chemical Formula 1175]



,

3-(2-boronoethyl)-6-[(1-{(2R)-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

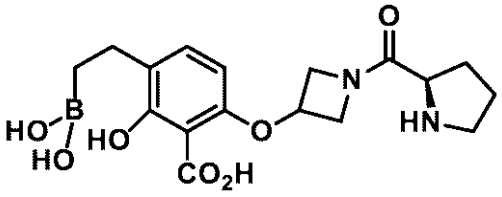
[Chemical Formula 1176]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-prolylazetidin-3-yl)oxy]benzoic acid

[Chemical Formula 1177]

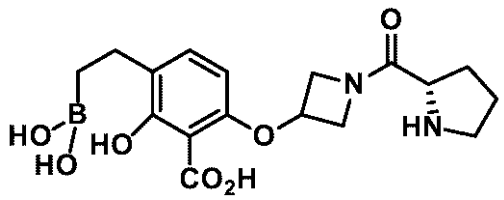


,

3-(2-boronoethyl)-2-hydroxy-6-[(1-L-prolylazetidin-3-

yl)oxy]benzoic acid

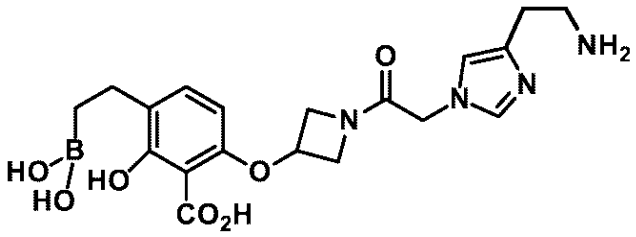
~~[Chemical Formula 1178]~~



,

6-[(1-{[4-(2-aminoethyl)-1H-imidazol-1-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

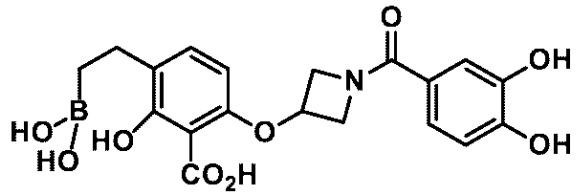
~~[Chemical Formula 1179]~~



,

3-(2-boronoethyl)-6-{[1-(3,4-dihydroxybenzoyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

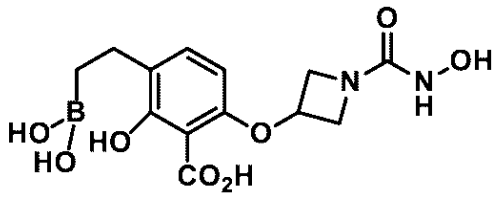
~~[Chemical Formula 1180]~~



, and

3-(2-boronoethyl)-2-hydroxy-6-{[1-(hydroxycarbamoyl)azetidin-3-yl]oxy}benzoic acid

~~[Chemical Formula 1181]~~



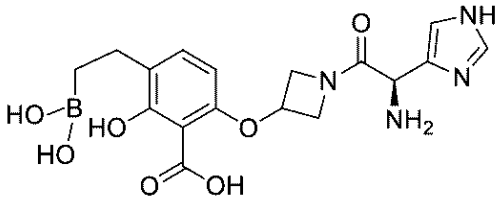
.

[Claim ~~69~~44]

~~The~~ A compound or the pharmaceutically acceptable salt ~~thereof according to claim 55~~, selected from the group consisting of the following compounds:

6-({1-[(2R)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

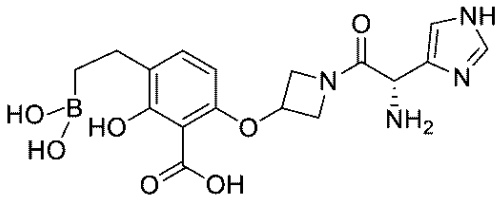
~~[Chemical Formula 1182]~~



,

6-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

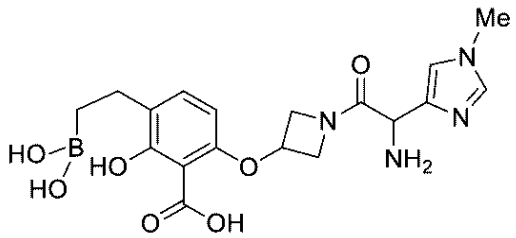
~~[Chemical Formula 1183]~~



,

6-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

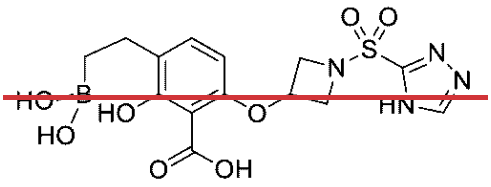
~~[Chemical Formula 1184]~~



,

~~3-(2-boronoethyl)-2-hydroxy-6-{[1-(4H-1,2,4-triazole-3-sulfonyl)azetidin-3-yl]oxy}benzoic acid~~

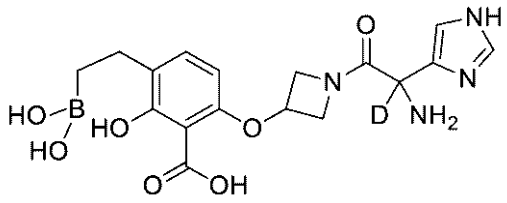
~~[Chemical Formula 1185]~~



~~,~~

6-({1-[2-amino-2-(1H-imidazol-4-yl)(^{2}H)ethanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

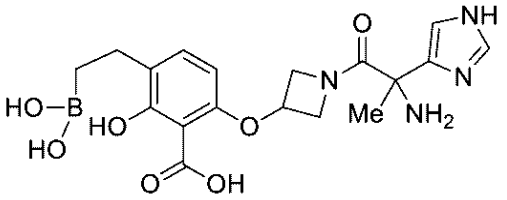
[Chemical Formula 1186]



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6-({1-[2-amino-2-(1H-imidazol-4-yl)propanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

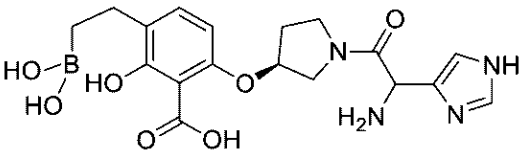
[Chemical Formula 1187]



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6-({(3S)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

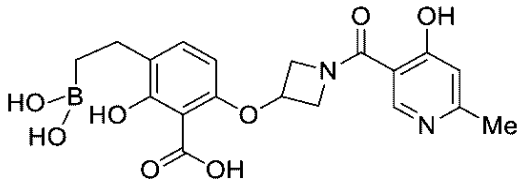
[Chemical Formula 1188]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(4-hydroxy-6-methylpyridine-3-carbonyl)azetidin-3-yl]oxy}benzoic acid

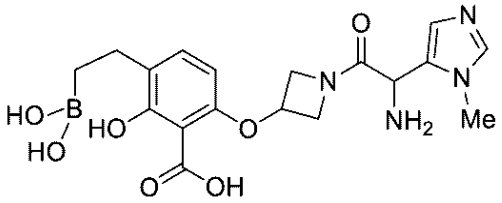
[Chemical Formula 1189]



,

6-({1-[amino(1-methyl-1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

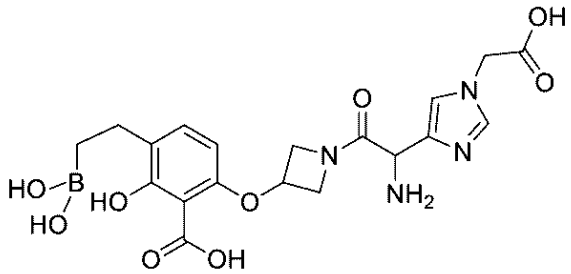
~~[Chemical Formula 1190]~~



,

6-[(1-{amino[1-(carboxymethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

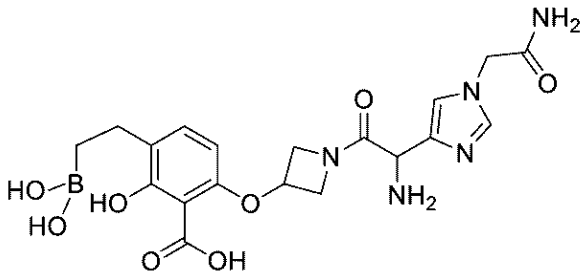
~~[Chemical Formula 1191]~~



,

6-[(1-{amino[1-(2-amino-2-oxoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

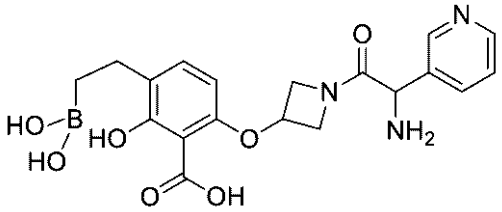
~~[Chemical Formula 1192]~~



,

6-({1-[amino(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

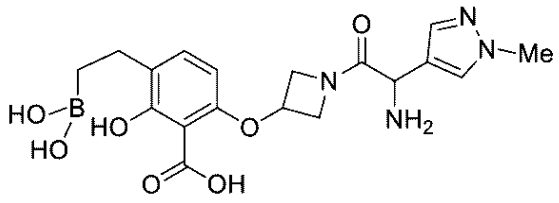
~~[Chemical Formula 1193]~~



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6-({1-[amino(1-methyl-1H-pyrazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

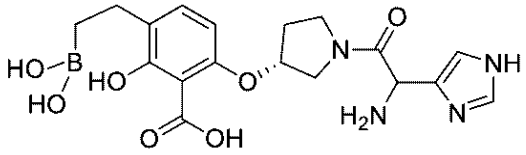
~~[Chemical Formula 1194]~~



,

6-({(3R)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

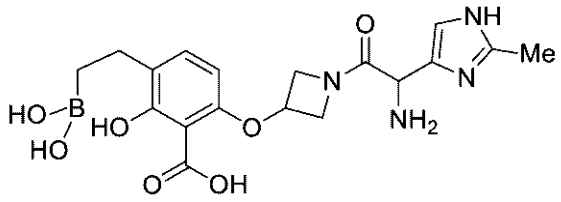
~~[Chemical Formula 1195]~~



,

6-({1-[amino(2-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

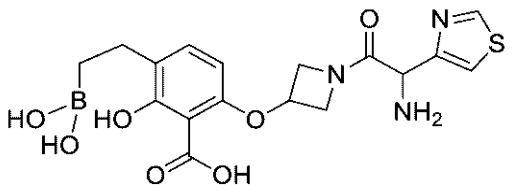
~~[Chemical Formula 1196]~~



,

6-({1-[amino(1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

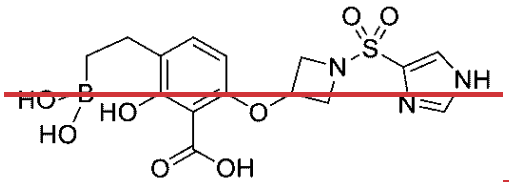
~~[Chemical Formula 1197]~~



,

~~3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-imidazole-4-sulfonyl)azetidin-3-yl]oxy}benzoic acid~~

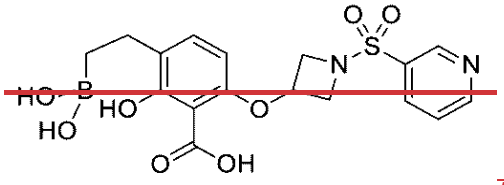
[Chemical Formula 1198]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(pyridine-3-sulfonyl)azetidin-3-yl]oxy}benzoic acid

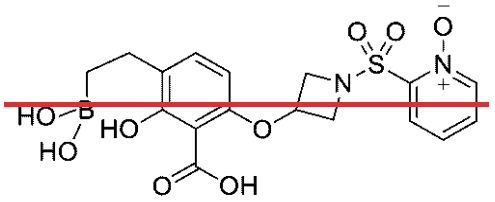
[Chemical Formula 1199]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1-oxo-1λ^5-pyridine-2-sulfonyl)azetidin-3-yl]oxy}benzoic acid

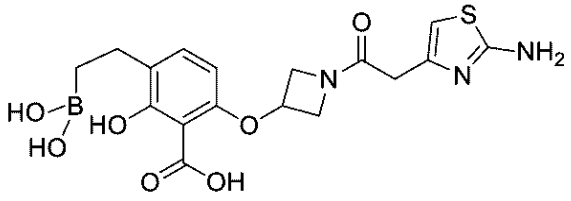
[Chemical Formula 1200]



,

6-({1-[(2-amino-1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

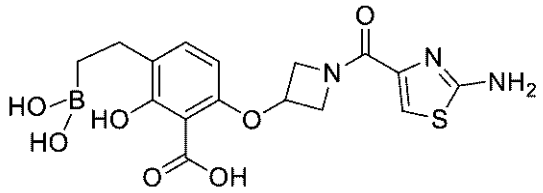
[Chemical Formula 1201]



,

6-{[1-(2-amino-1,3-thiazole-4-carbonyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

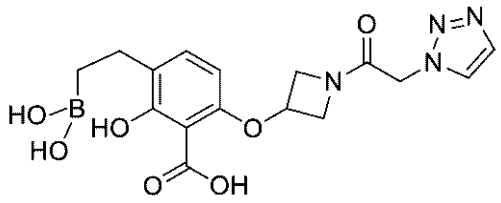
~~[Chemical Formula 1202]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

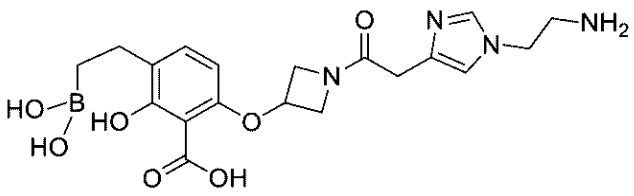
~~[Chemical Formula 1203]~~



,

6-[(1-{[1-(2-aminoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

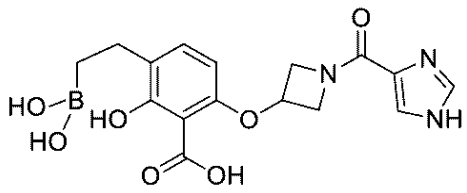
~~[Chemical Formula 1204]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-imidazole-4-carbonyl)azetidin-3-yl]oxy}benzoic acid

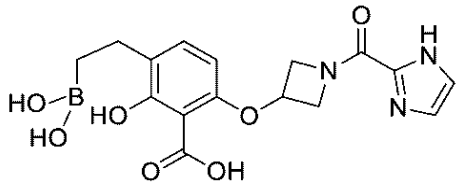
~~[Chemical Formula 1205]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-imidazole-2-carbonyl)azetidin-3-yl]oxy}benzoic acid

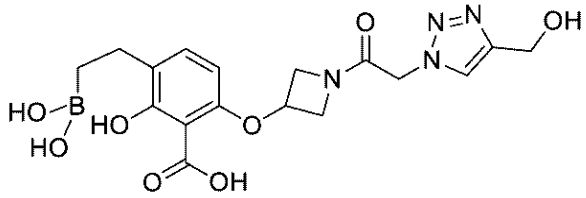
[Chemical Formula 1206]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

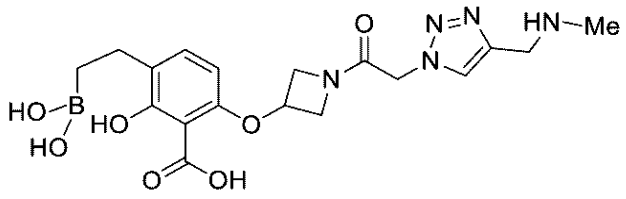
[Chemical Formula 1207]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid

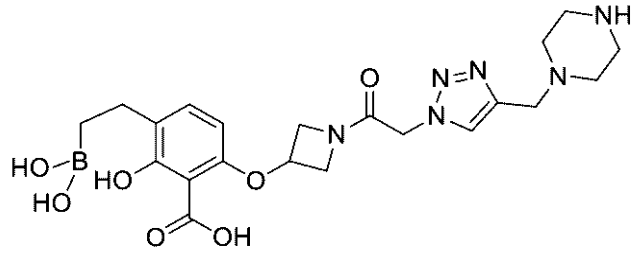
[Chemical Formula 1208]



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid

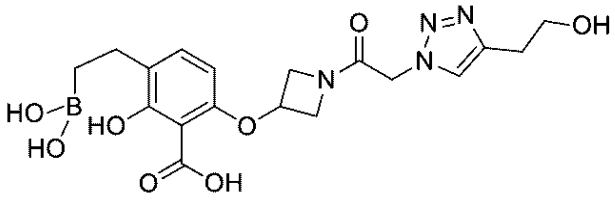
[Chemical Formula 1209]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

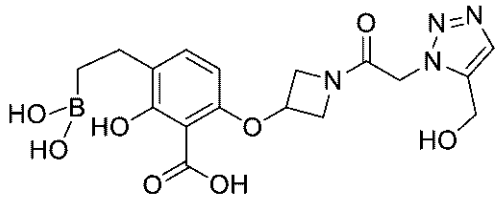
~~[Chemical Formula 1210]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[5-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

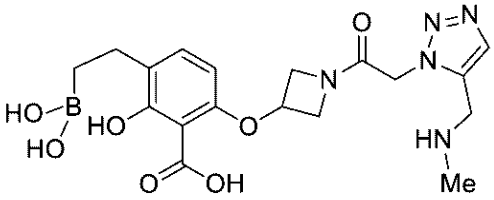
~~[Chemical Formula 1211]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid

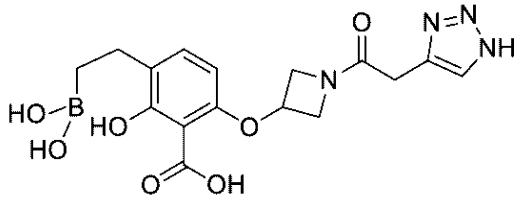
~~[Chemical Formula 1212]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

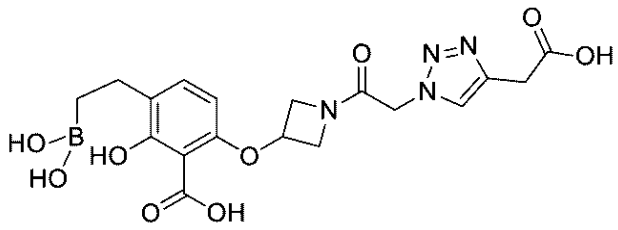
~~[Chemical Formula 1213]~~



,

3-(2-boronoethyl)-6-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

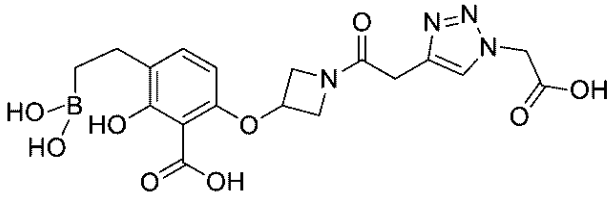
~~[Chemical Formula 1214]~~



,

3-(2-boronoethyl)-6-[(1-{[1-(carboxymethyl)-1H-1,2,3-triazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

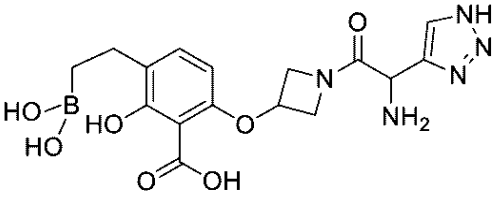
~~[Chemical Formula 1215]~~



,

6-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

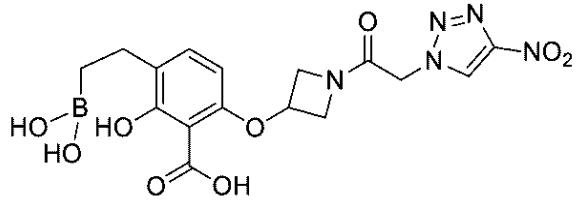
~~[Chemical Formula 1216]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

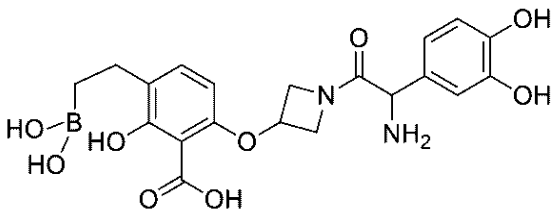
~~[Chemical Formula 1217]~~



,

6-({1-[amino(3,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

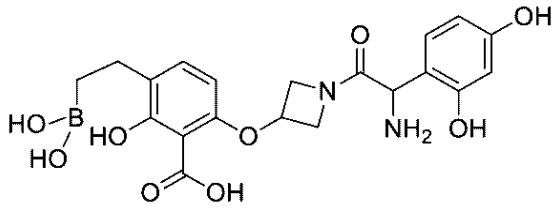
~~[Chemical Formula 1218]~~



,

6-({1-[amino(2,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

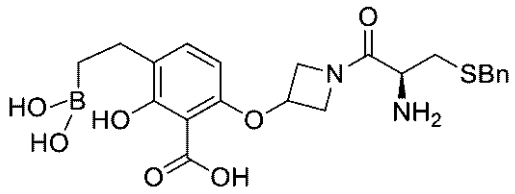
~~[Chemical Formula 1219]~~



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6-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

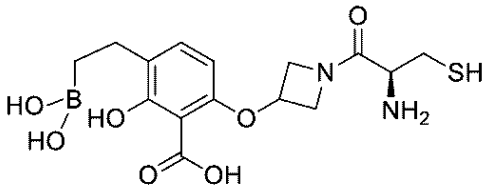
~~[Chemical Formula 1220]~~



,

3-(2-boronoethyl)-6-[(1-D-cysteinylazetidin-3-yl)oxy]-2-hydroxybenzoic acid

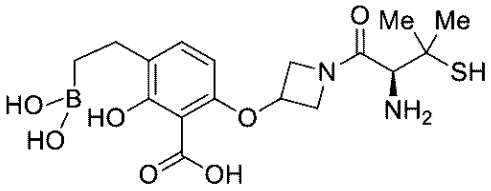
~~[Chemical Formula 1221]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(3-sulfanyl-D-valyl)azetidin-3-yl]oxy}benzoic acid

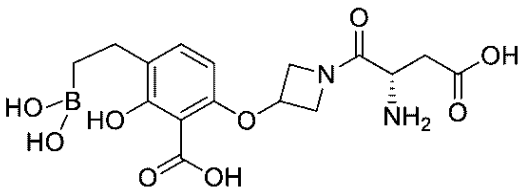
~~[Chemical Formula 1222]~~



,

6-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

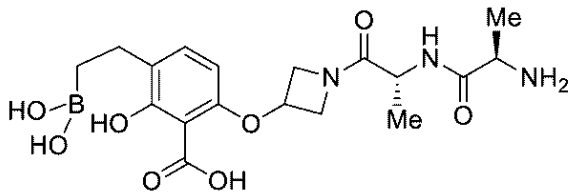
~~[Chemical Formula 1223]~~



,

6-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

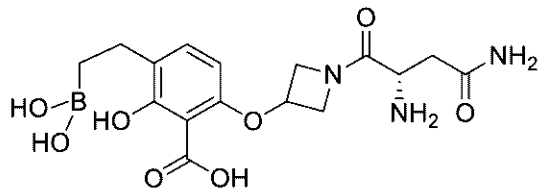
~~[Chemical Formula 1224]~~



,

6-[(1-L-asparaginylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

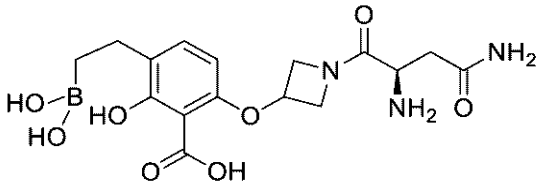
~~[Chemical Formula 1225]~~



,

6-[(1-D-asparaginylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid

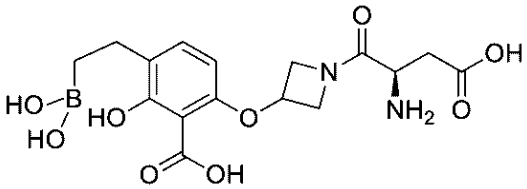
~~[Chemical Formula 1226]~~



,

6-({1-[(2R)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

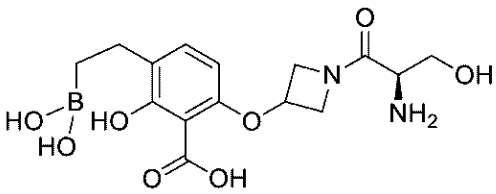
~~[Chemical Formula 1227]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-serylazetidin-3-yl)oxy]benzoic acid

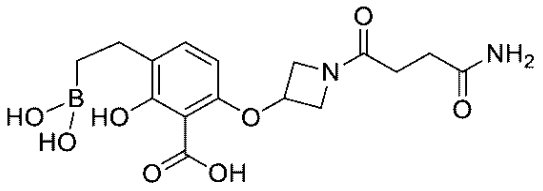
~~[Chemical Formula 1228]~~



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6-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

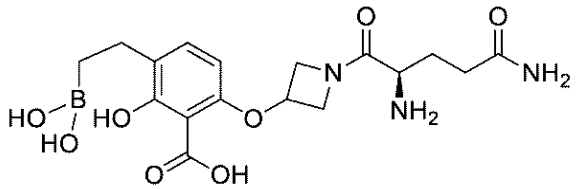
~~[Chemical Formula 1229]~~



,

3-(2-boronoethyl)-6-[(1-D-glutaminylazetidin-3-yl)oxy]-2-hydroxybenzoic acid

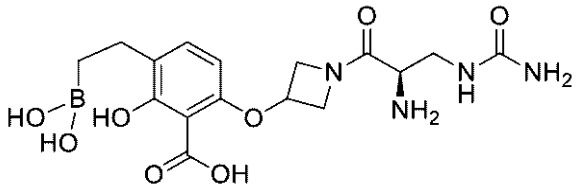
~~[Chemical Formula 1230]~~



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3-(2-boronoethyl)-6-({1-[3-(carbamoylamino)-D-alanyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

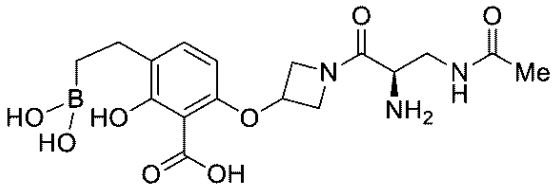
~~[Chemical Formula 1231]~~



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6-{[1-(3-acetamido-D-alanyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

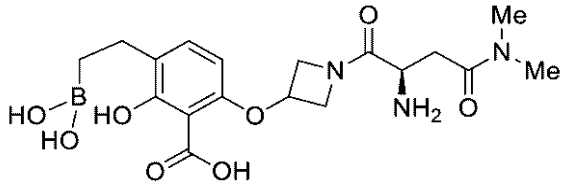
~~[Chemical Formula 1232]~~



,

3-(2-boronoethyl)-6-{[1-(N,N-dimethyl-D-asparaginyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

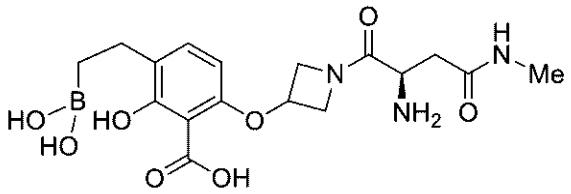
~~[Chemical Formula 1233]~~



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3-(2-boronoethyl)-2-hydroxy-6-{[1-(N-methyl-D-asparaginyl)azetidin-3-yl]oxy}benzoic acid

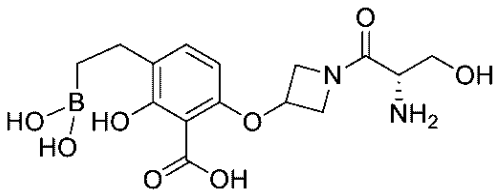
~~[Chemical Formula 1234]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-L-serylazetidin-3-yl)oxy]benzoic acid

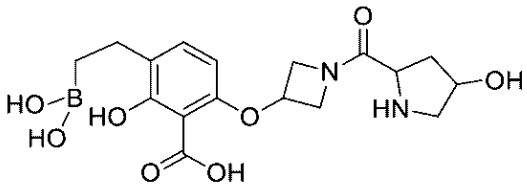
~~[Chemical Formula 1235]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(4-hydroxyprolyl)azetidin-3-yl]oxy}benzoic acid

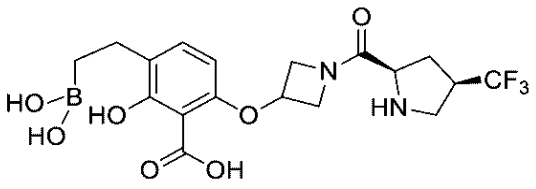
~~[Chemical Formula 1236]~~



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3-(2-boronoethyl)-2-hydroxy-6-({1-[(4R)-4-(trifluoromethyl)-D-prolyl]azetidin-3-yl}oxy)benzoic acid

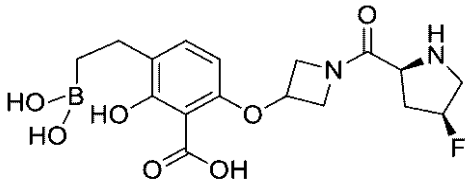
~~[Chemical Formula 1237]~~



,

3-(2-boronoethyl)-6-({1-[(4S)-4-fluoro-L-prolyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

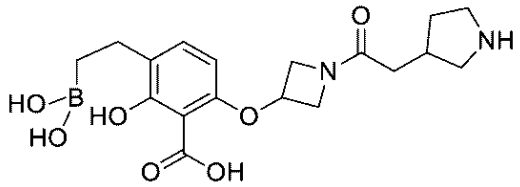
[Chemical Formula 1238]



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3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

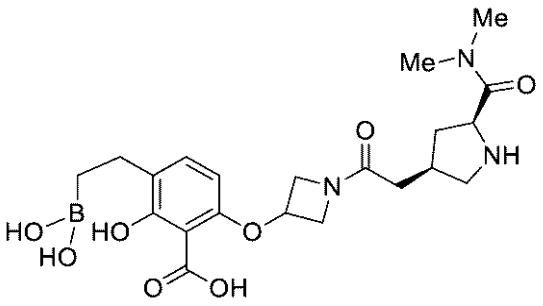
[Chemical Formula 1239]



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3-(2-boronoethyl)-6-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

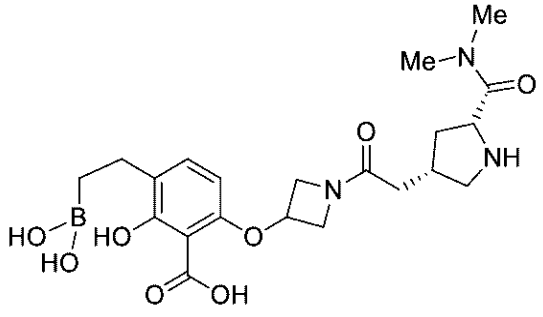
[Chemical Formula 1240]



,

3-(2-boronoethyl)-6-[(1-{[(3S,5R)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

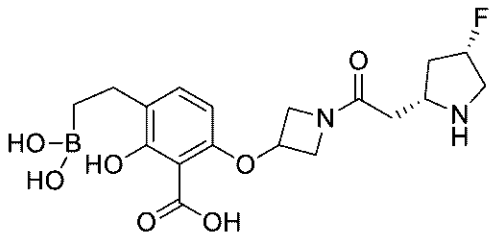
[Chemical Formula 1241]



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3-(2-boronoethyl)-6-[(1-{[(2R,4S)-4-fluoropyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid

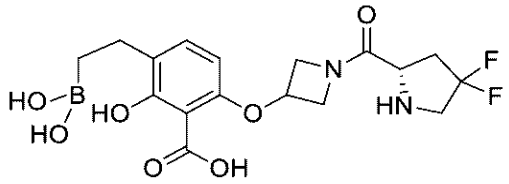
~~[Chemical Formula 1242]~~



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3-(2-boronoethyl)-6-{[1-(4,4-difluoro-L-prolyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

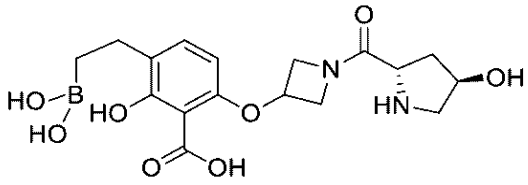
~~[Chemical Formula 1243]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(4R)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)benzoic acid

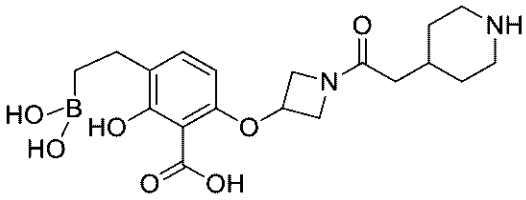
~~[Chemical Formula 1244]~~



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3-(2-boronoethyl)-2-hydroxy-6-({1-[(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

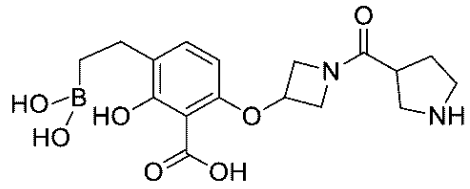
~~[Chemical Formula 1245]~~



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3-(2-boronoethyl)-2-hydroxy-6-{[1-(pyrrolidine-3-carbonyl)azetidin-3-yl]oxy}benzoic acid

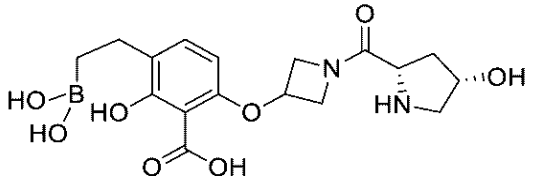
[Chemical Formula 1246]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(4S)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)benzoic acid

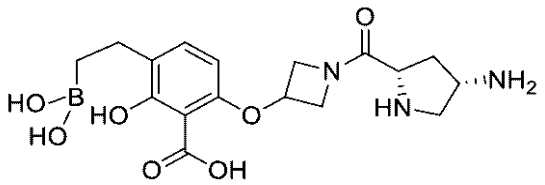
[Chemical Formula 1247]



,

6-({1-[(4S)-4-amino-L-prolyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

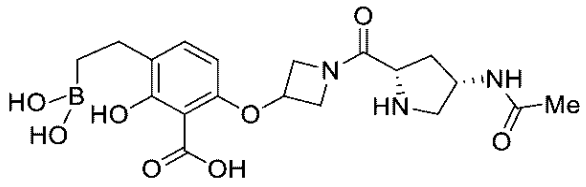
[Chemical Formula 1248]



,

6-({1-[(4S)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

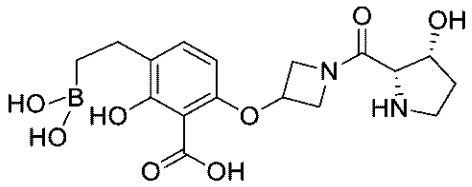
[Chemical Formula 1249]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(3R)-3-hydroxy-L-prolyl]azetidin-3-yl}oxy)benzoic acid

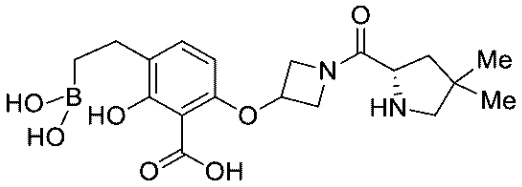
~~[Chemical Formula 1250]~~



,

3-(2-boronoethyl)-6-{[1-(4,4-dimethyl-L-prolyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

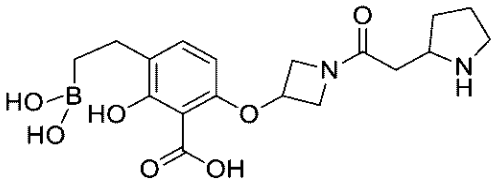
~~[Chemical Formula 1251]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyrrolidin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

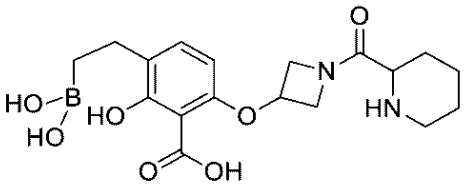
~~[Chemical Formula 1252]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(piperidine-2-carbonyl)azetidin-3-yl]oxy}benzoic acid

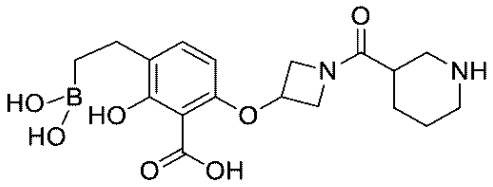
~~[Chemical Formula 1253]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(piperidine-3-carbonyl)azetidin-3-yl]oxy}benzoic acid

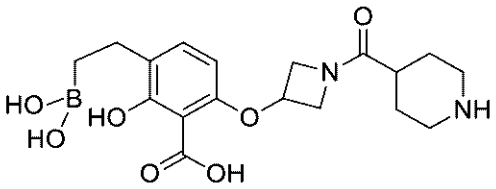
~~[Chemical Formula 1254]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(piperidine-4-carbonyl)azetidin-3-yl]oxy}benzoic acid

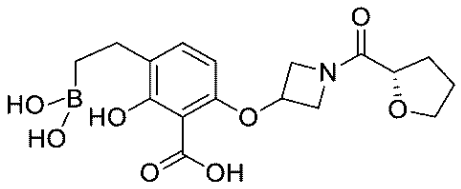
~~[Chemical Formula 1255]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(2S)-oxolane-2-carbonyl]azetidin-3-yl}oxy)benzoic acid

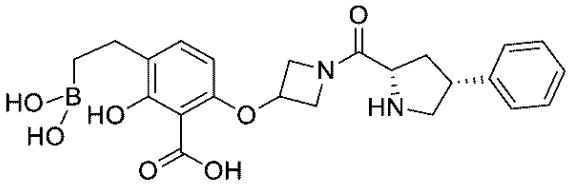
~~[Chemical Formula 1256]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(4R)-4-phenyl-L-prolyl]azetidin-3-yl}oxy)benzoic acid

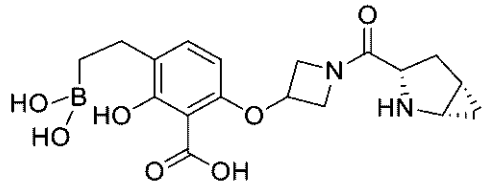
~~[Chemical Formula 1257]~~



,

6-({1-[(1S,3S,5S)-2-azabicyclo[3.1.0]hexane-3-carbonyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

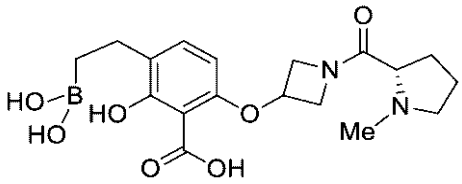
~~[Chemical Formula 1258]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(1-methyl-L-prolyl)azetidin-3-yl]oxy}benzoic acid

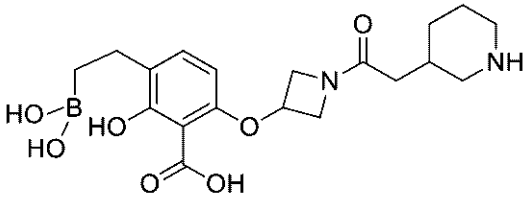
~~[Chemical Formula 1259]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(piperidin-3-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

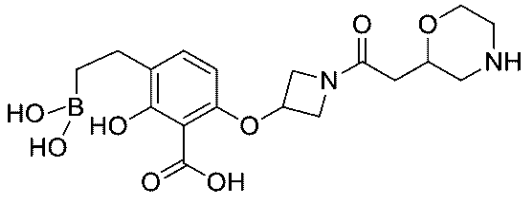
~~[Chemical Formula 1260]~~



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3-(2-boronoethyl)-2-hydroxy-6-({1-[(morpholin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

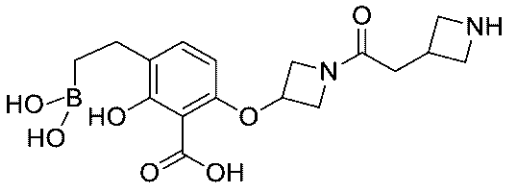
~~[Chemical Formula 1261]~~



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6-({1-[(azetidin-3-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

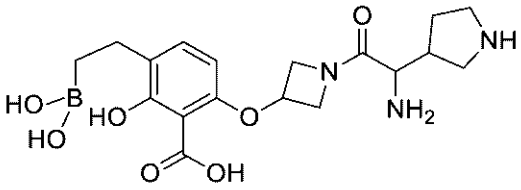
[Chemical Formula 1262]



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6-({1-[amino(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

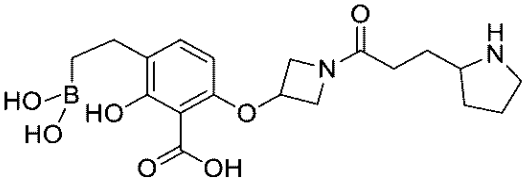
[Chemical Formula 1263]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[3-(pyrrolidin-2-yl)propanoyl]azetidin-3-yl}oxy)benzoic acid

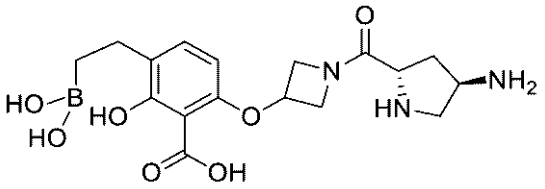
[Chemical Formula 1264]



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6-({1-[(4R)-4-amino-L-prolyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

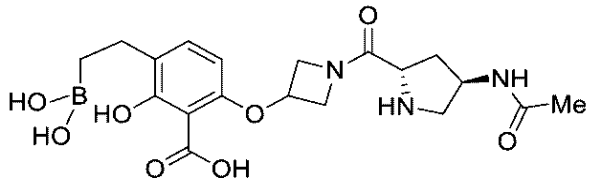
[Chemical Formula 1265]



,

6-({1-[(4R)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

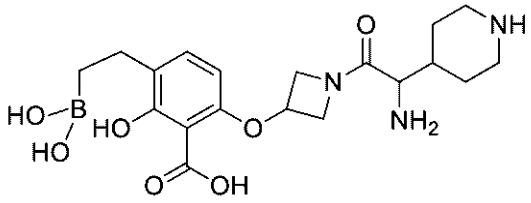
[Chemical Formula 1266]



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6-({1-[amino(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

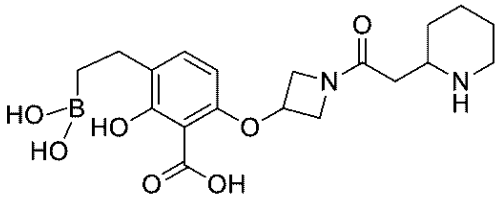
[Chemical Formula 1267]



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(piperidin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

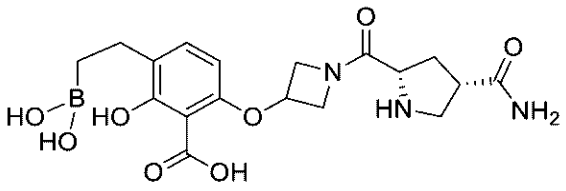
[Chemical Formula 1268]



,

3-(2-boronoethyl)-6-({1-[(4S)-4-carbamoyl-L-prolyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

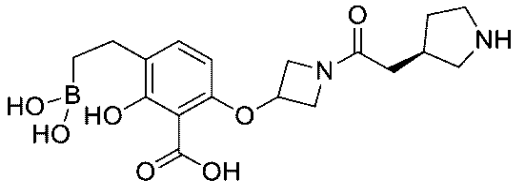
[Chemical Formula 1269]



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

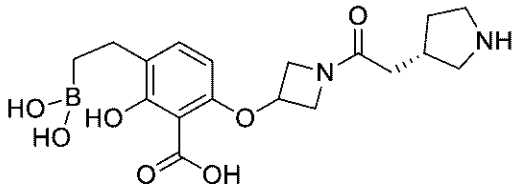
~~[Chemical Formula 1270]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[(3S)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

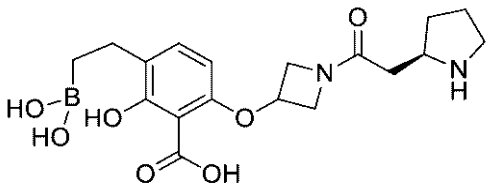
~~[Chemical Formula 1271]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[(2R)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

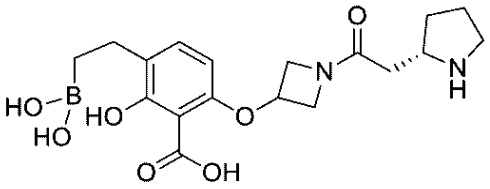
~~[Chemical Formula 1272]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-{[(2S)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]benzoic acid

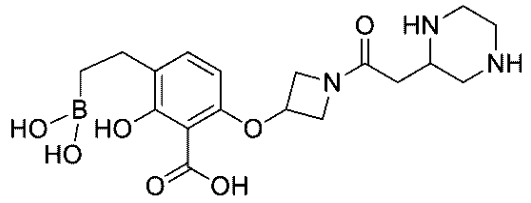
~~[Chemical Formula 1273]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(piperazin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

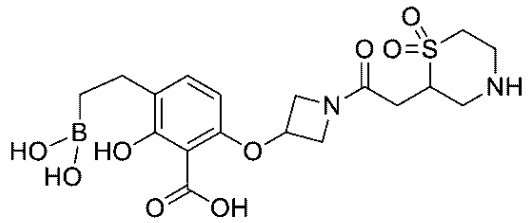
[Chemical Formula 1274]



,

3-(2-boronoethyl)-6-({1-[(1,1-dioxo-1λ⁶-thiomorpholin-2-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

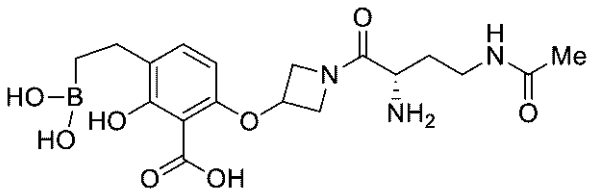
[Chemical Formula 1275]



,

6-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

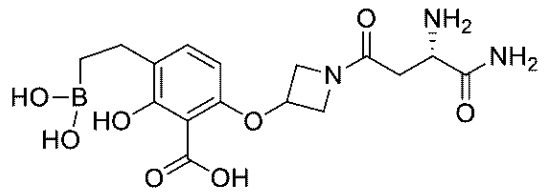
[Chemical Formula 1276]



,

6-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

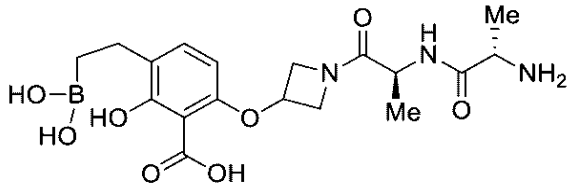
[Chemical Formula 1277]



,

6-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

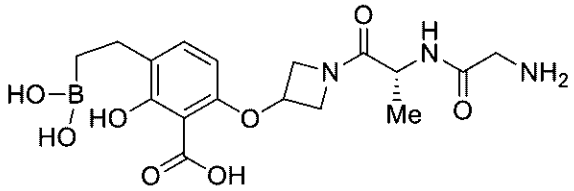
[Chemical Formula 1278]



,

3-(2-boronoethyl)-6-{[1-(glycyl-D-alanyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

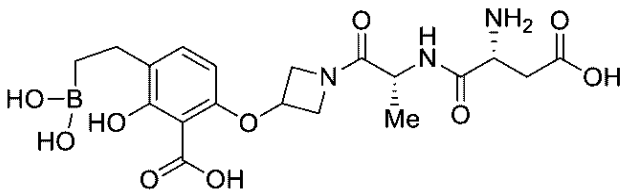
[Chemical Formula 1279]



,

N-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-asparagine

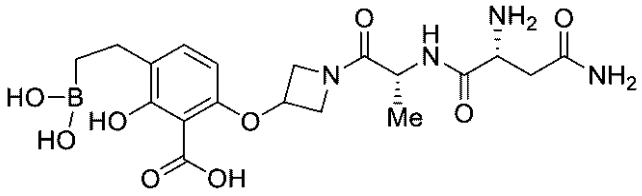
[Chemical Formula 1280]



,

N^1-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide

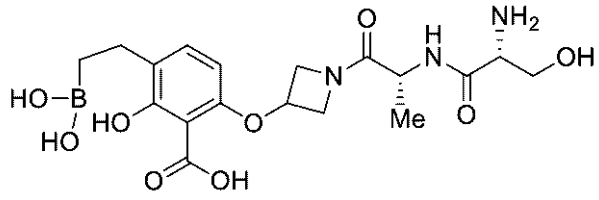
[Chemical Formula 1281]



,

N-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide

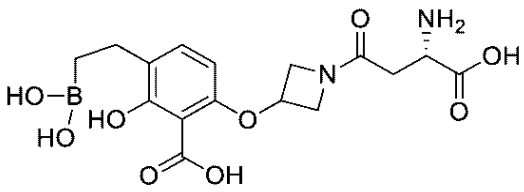
~~[Chemical Formula 1282]~~



,

6-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

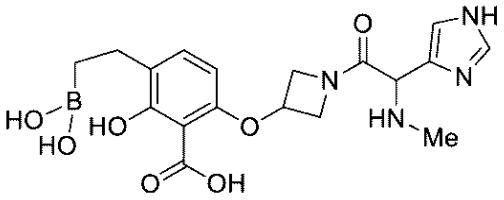
~~[Chemical Formula 1283]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)benzoic acid

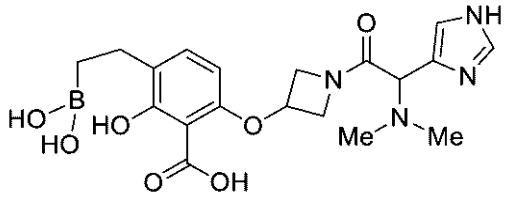
~~[Chemical Formula 1284]~~



,

3-(2-boronoethyl)-6-({1-[(dimethylamino)(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

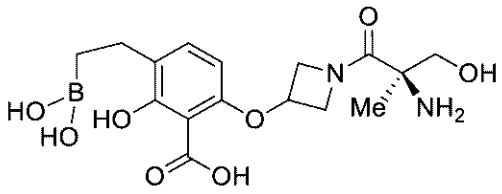
~~[Chemical Formula 1285]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}benzoic acid

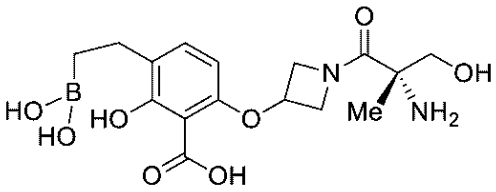
~~[Chemical Formula 1286]~~



,

3-(2-boronoethyl)-2-hydroxy-6-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}benzoic acid

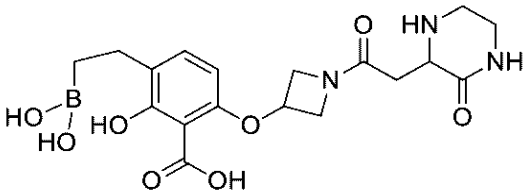
~~[Chemical Formula 1287]~~



,

3-(2-boronoethyl)-2-hydroxy-6-({1-[(3-oxopiperazin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid

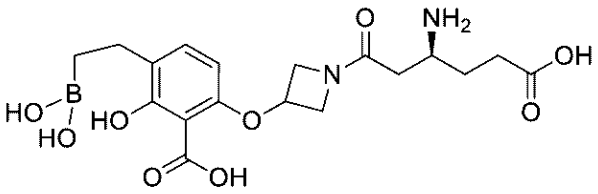
~~[Chemical Formula 1288]~~



,

6-({1-[(3S)-3-amino-5-carboxypentanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

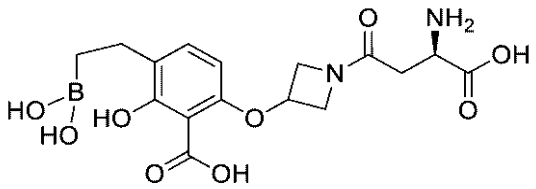
~~[Chemical Formula 1289]~~



,

6-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

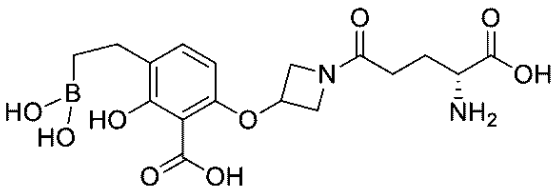
~~[Chemical Formula 1290]~~



,

6-({1-[(4R)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

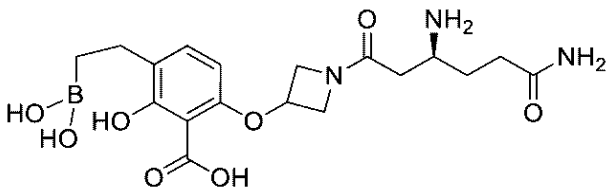
~~[Chemical Formula 1291]~~



,

3-(2-boronoethyl)-6-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid

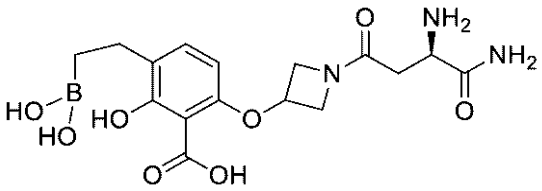
~~[Chemical Formula 1292]~~



,

6-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid

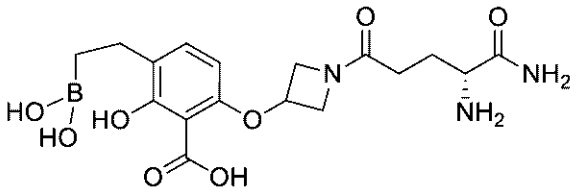
~~[Chemical Formula 1293]~~



,

3-(2-boronoethyl)-6-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

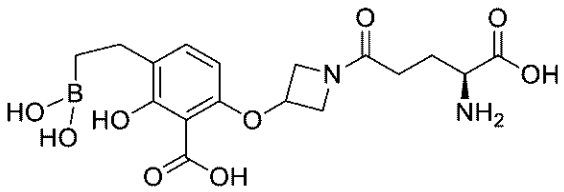
~~[Chemical Formula 1294]~~



,

6-({1-[(4S)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid

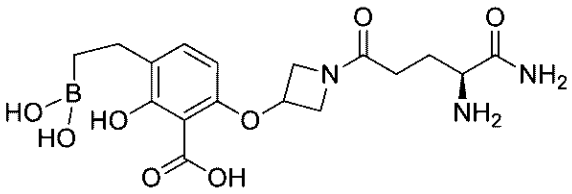
~~[Chemical Formula 1295]~~



,

3-(2-boronoethyl)-6-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid

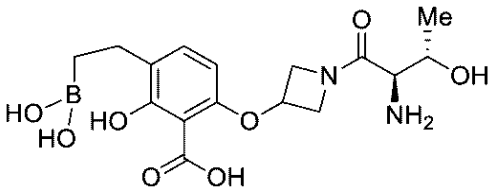
~~[Chemical Formula 1296]~~



,

3-(2-boronoethyl)-2-hydroxy-6-[(1-D-threonylazetidin-3-yl)oxy]benzoic acid

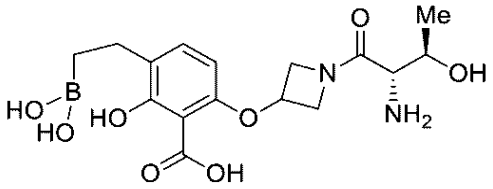
~~[Chemical Formula 1297]~~



, and

3-(2-boronoethyl)-2-hydroxy-6-[(1-L-threonylazetidin-3-yl)oxy]benzoic acid

~~[Chemical Formula 1298]~~



.

[Claim ~~70~~45]

A medicament comprising the compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 69~~.

[Claim ~~71~~46]

The medicament according to claim ~~70~~45, which is a therapeutic drug or a prophylactic drug for a bacterial infection.

[Claim ~~72~~47]

A β-lactamase inhibiting agent comprising the compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1 ~~to 69~~ as an active ingredient.

[Claim ~~73~~48]

A pharmaceutical composition comprising the compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 69~~ and a pharmaceutically acceptable carrier.

[Claim ~~74~~49]

The pharmaceutical composition according to claim ~~73~~48, further comprising an additional agent.

[Claim ~~75~~50]

The pharmaceutical composition according to claim ~~74~~49, wherein the additional agent is selected from the group consisting of an antibacterial agent, an antifungal agent, an antiviral agent, an anti-inflammatory agent, and an anti-allergic agent.

[Claim ~~76~~51]

The pharmaceutical composition according to claim ~~74~~ 49~~or 75~~, wherein the additional agent is a β-lactam agent.

[Claim ~~77~~52]

The pharmaceutical composition according to claim ~~75~~ 51~~or 76~~, wherein a β-lactam agent, which is the additional agent, is selected from the group consisting of amoxicillin, ampicillin (pivampicillin, hetacillin, bacampicillin, metampicillin, and talampicillin), epicillin, carbenicillin (carindacillin), ticarcillin, temocillin, azlocillin, piperacillin, mezlocillin, mecillinam (pivmecillinam), sulbenicillin, benzylpenicillin (G), clometocillin, benzathine benzylpenicillin, procaine benzylpenicillin, azidocillin, penamecillin, phenoxymethyl penicillin (V), propicillin, benzathine phenoxymethylpenicillin, phenethicillin, cloxacillin (dicloxacillin and flucloxacillin), oxacillin, methicillin, nafcillin, faropenem, biapenem, doripenem, ertapenem, imipenem, meropenem, panipenem, tomopenem, razupenem, cefazolin, cefacetrile, cefadroxil, cephalexin, cefaloglycin, cefalonium, cefaloridine, cephalothin, cephapirin, cefatrizine, cefazedone, cefazaflur, cefradine, cefroxadine, ceftezole, cefaclor, cefamandole, cefminox, cefonicide, ceforanide, cefotiam, cefprozil, cefbuperazone, cefuroxime, cefuzonam, cefoxitin, cefotetan, cefmetazole, loracarbef, cefixime, ceftazidime, ceftriaxone, cefcapene, cefdaloxime, cefdinir, cefditoren, cefetamet, cefmenoxime, cefodizime, cefoperazone, cefotaxime, cefpimizole, cefpiramide, cefpodoxime, cefsulodin, cefteram, ceftibuten, ceftiolene, ceftizoxime, flomoxef, latamoxef, cefepime, cefozopran, cefpirome, cefquinome, ceftobiprole, ceftaroline, CXA-101, RWJ-54428, MC-04546, ME1036, BAL30072, SYN2416, ceftiofur, cefquinome, cefovecin, aztreonam, tigemonam, carumonam, RWJ-442831, RWJ-333441, and RWJ-333442.

[Claim ~~78~~53]

The pharmaceutical composition according to claim ~~76~~ 52~~or 77~~, wherein the β-lactam agent is selected from ceftazidime, biapenem, doripenem, ertapenem, imipenem, meropenem, or panipenem.

[Claim ~~79~~54]

The pharmaceutical composition according to claim ~~76~~ 52~~or 77~~, wherein the β-lactam agent is selected from aztreonam, tigemonam, BAL30072, SYN2416, or carumonam.

[Claim ~~80~~55]

The pharmaceutical composition according to claim ~~73~~48, ~~characterized in that~~wherein an additional agent is to be concomitantly administered.

[Claim ~~81~~56]

The pharmaceutical composition according to claim ~~80~~55, wherein the additional agent is selected from an antibacterial agent, an antifungal agent, an antiviral agent, an anti-inflammatory agent, or an anti-allergic agent.

[Claim ~~82~~57]

The pharmaceutical composition according to claim ~~80~~ 56~~or 81~~, wherein the additional agent is a β-lactam agent.

[Claim ~~83~~58]

The pharmaceutical composition according to claim ~~81~~ 57~~or 82~~, wherein a β-lactam agent, which is the additional agent, is selected from the group consisting of amoxicillin, ampicillin (pivampicillin, hetacillin, bacampicillin, metampicillin, and talampicillin), epicillin, carbenicillin (carindacillin), ticarcillin, temocillin, azlocillin, piperacillin, mezlocillin, mecillinam (pivmecillinam), sulbenicillin, benzylpenicillin (G), clometocillin, benzathine benzylpenicillin, procaine benzylpenicillin, azidocillin, penamecillin, phenoxymethyl penicillin (V), propicillin, benzathine phenoxymethylpenicillin, phenethicillin, cloxacillin (dicloxacillin and flucloxacillin), oxacillin, methicillin, nafcillin, faropenem, biapenem, doripenem, ertapenem, imipenem, meropenem, panipenem, tomopenem, razupenem, cefazolin, cefacetrile, cefadroxil, cephalexin, cefaloglycin, cefalonium, cefaloridine, cephalothin, cephapirin, cefatrizine, cefazedone, cefazaflur, cefradine, cefroxadine, ceftezole, cefaclor, cefamandole, cefminox, cefonicide,

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[Claim ~~84~~59]

The pharmaceutical composition according to claim ~~82~~ 58~~or 83~~, wherein the β-lactam agent is selected from the group consisting of ceftazidime, biapenem, doripenem, ertapenem, imipenem, meropenem, and panipenem.

[Claim ~~85~~60]

The pharmaceutical composition according to claim ~~82~~ 58~~or 83~~, wherein the β-lactam agent is selected from the group consisting of aztreonam, tigemonam, BAL30072, SYN2416, and carumonam.

[Claim ~~86~~61]

The compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1~~ to 69~~, for treating a bacterial infection.

[Claim ~~87~~62]

The compound or the pharmaceutically acceptable salt thereof according to claim ~~86~~61, wherein the bacterial infection is a bacterial infection in which a bacteria that can have a β-lactamase is involved.

[Claim ~~88~~63]

The compound or the pharmaceutically acceptable salt thereof according to claim ~~86~~ 62~~or 87~~, wherein the bacterial infection is sepsis, febrile neutropenia, bacterial meningitis, bacterial endocarditis, otitis media, sinusitis, pneumonia, lung abscess, empyema, secondary

infection of a chronic respiratory disease, pharyngolaryngitis, tonsillitis, osteomyelitis, arthritis, peritonitis, intraperitoneal abscess, cholecystitis, cholangitis, liver abscess, a deep skin infection, lymphangitis/lymphadenitis, secondary infection of trauma, burn injury, surgical wound, or the like, a urinary tract infection, a genital infection, eye infection, or an odontogenic infection.

[Claim ~~89~~64]

A medicament comprised of a combination of the compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1 ~~to 69~~ and at least one agent selected from the group consisting of therapeutic agents for sepsis, febrile neutropenia, bacterial meningitis, bacterial endocarditis, otitis media, sinusitis, pneumonia, lung abscess, empyema, secondary infection of a chronic respiratory disease, pharyngolaryngitis, tonsillitis, osteomyelitis, arthritis, peritonitis, intraperitoneal abscess, cholecystitis, cholangitis, liver abscess, a deep skin infection, lymphangitis/lymphadenitis, secondary infection of trauma, burn injury, surgical wound, or the like, a urinary tract infection, a genital infection, eye infection, and an odontogenic infection.

~~[Claim 90]~~

~~A pharmaceutical composition comprising a β-lactam agent, wherein the pharmaceutical composition is administered with the compound or the pharmaceutically acceptable salt thereof according to any one of claims 1 to 69.~~

[Claim ~~91~~65]

Use of ~~A method for treating a bacterial infection, characterized in that~~ a therapeutically effective amount of the compound or the pharmaceutically acceptable salt thereof according to ~~any one of~~ claim~~s~~ 1, ~~to 69~~ in the manufacture of a medicament for treating a bacterial infection wherein the medicament is to be ~~is~~ administered

to a patient in need thereof.

[Claim ~~92~~66]

The ~~method~~ use according to claim ~~91~~65, wherein the bacterial infection is a bacterial infection in which a bacteria that can have a β-lactamase is involved.

[Claim ~~93~~67]

The ~~method~~ use according to claim ~~91~~ 66~~or 92~~, wherein the bacterial infection is sepsis, febrile neutropenia, bacterial meningitis, bacterial endocarditis, otitis media, sinusitis, pneumonia, lung abscess, empyema, secondary infection of a chronic respiratory disease, pharyngolaryngitis, tonsillitis, osteomyelitis, arthritis, peritonitis, intraperitoneal abscess, cholecystitis, cholangitis, liver abscess, a deep skin infection, lymphangitis/lymphadenitis, secondary infection of trauma, burn injury, surgical wound, or the like, a urinary tract infection, a genital infection, an eye infection, or an odontogenic infection.

[Claim ~~94~~68]

The ~~method~~ use according to ~~of any one of~~ claim~~s~~ 67~~91 to 93~~, ~~characterized in that~~wherein an additional agent is to be concomitantly administered.

[Claim 69]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, for use as a medicament.