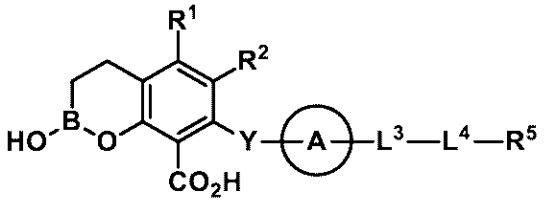
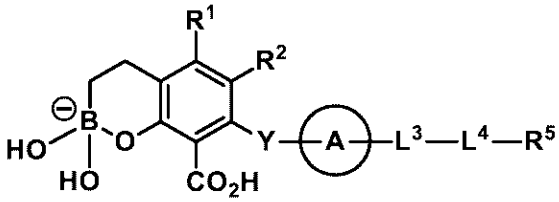
[Claims]

[Claim 1]

A compound represented by formula (5a) or (5b):



(5a)



(5b)

or a pharmaceutically acceptable salt thereof,

wherein

Y is an oxygen atom,

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

L^3 is -C(=O)-,

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) $-NR^{e1}OH$,

R^1 and R^2 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^{e1} is 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,

R^{a3} 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,
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_{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.

[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.

[Claim 3]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein ring A is an optionally substituted 4- to 10-membered non-aryl heterocycle.

[Claim 4]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein ring A is an optionally substituted 4- to 7-membered non-aryl heterocycle.

[Claim 5]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein ring A is an optionally substituted 4- to 6-membered nitrogen-containing non-aryl heterocycle.

[Claim 6]

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

[Claim 7]

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 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.

[Claim 8]

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 selected from the group consisting of

1) a hydrogen atom,

2) a halogen atom, and

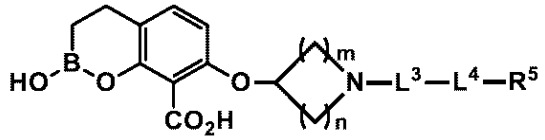
3) an optionally substituted C_{1-6} alkyl group.

[Claim 9]

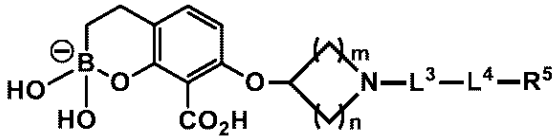
The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein R^1 and R^2 are both hydrogen atoms.

[Claim 10]

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



(6a)



(6b)

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.

[Claim 11]

The compound or the pharmaceutically acceptable salt thereof according to claim 10, wherein
m is 1 or 2, n is 1 or 2, and m + n is 2 or 3.

[Claim 12]

The compound or the pharmaceutically acceptable salt thereof according to claim 11, wherein m is 1 and n is 1.

[Claim 13]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, wherein 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 14]

The compound or the pharmaceutically acceptable salt thereof according to claims 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.

[Claim 15]

The compound or the pharmaceutically acceptable salt thereof according to claim 13, 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 $-CH_2CH_2-$.

[Claim 16]

The compound or the pharmaceutically acceptable salt thereof according to claim 15, wherein L^4 is a single bond, $-CH_2-$, or $-CH(NH_2)-$.

[Claim 17]

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

[Claim 18]

The compound or the pharmaceutically acceptable salt thereof according to claim 17, wherein R^5 is an optionally substituted 5- or 6-membered heteroaryl or an optionally substituted C_{6-10} aryl.

[Claim 19]

The compound or the pharmaceutically acceptable salt thereof according to claim 17, wherein R^5 is an optionally substituted 5- or 6-membered heteroaryl.

[Claim 20]

The compound or the pharmaceutically acceptable salt thereof according to claim 16, wherein R^5 is an optionally substituted 4- to 10-membered non-aryl heterocycle.

[Claim 21]

The compound or the pharmaceutically acceptable salt thereof according to claim 16, wherein 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 22]

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

[Claim 23]

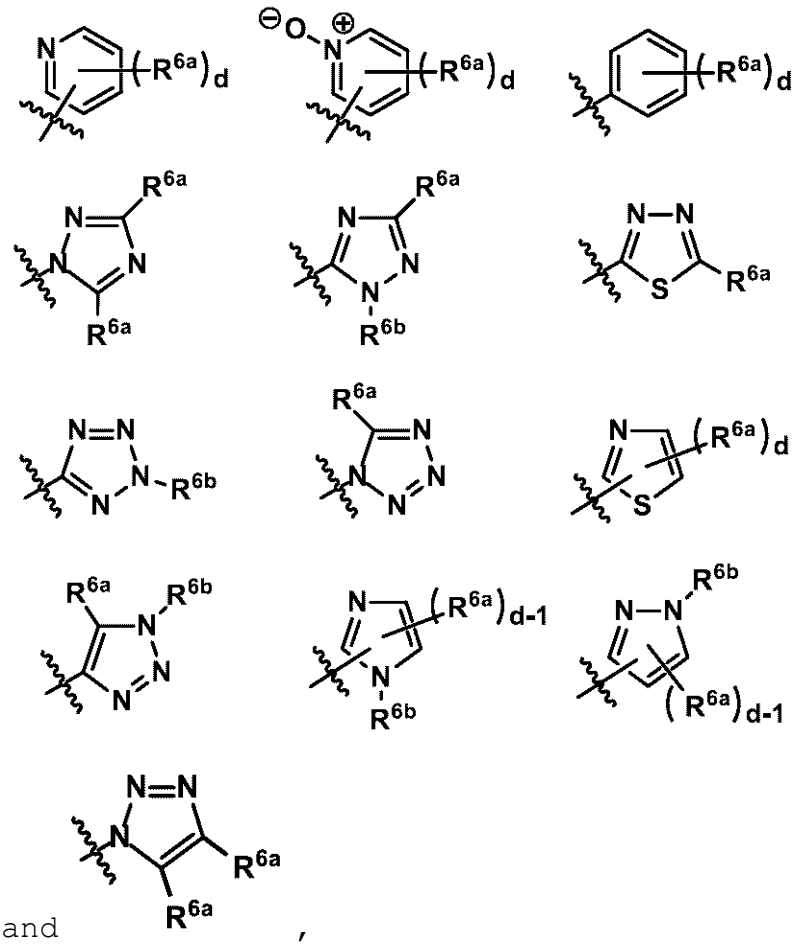
The compound or the pharmaceutically acceptable salt thereof according to claim 22, wherein R^5 is a hydrogen atom or an optionally substituted C_{1-4} alkyl group.

[Claim 24]

The compound or the pharmaceutically acceptable salt

thereof according to claim 19, wherein

R^5 is selected from the group consisting of



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

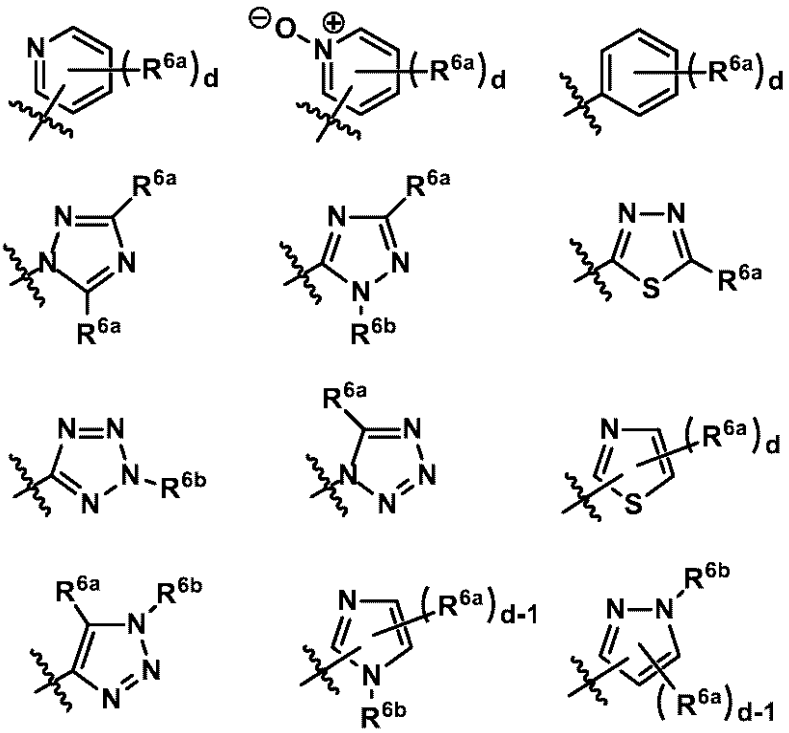
13) $-C(=O)NR^{g2}-NR^{e2}R^{f2}$,

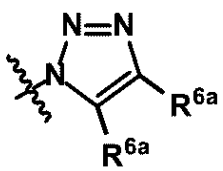
14) $-C(=O)R^{e2}$, and

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

[Claim 25]

The compound or the pharmaceutically acceptable salt thereof according to claim 24, wherein R^5 is 5- or 6-membered aryl or heteroaryl selected from the group consisting of



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_{1-6} 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 26]

The compound or the pharmaceutically acceptable salt thereof according to claim 25, 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 27]

The compound or the pharmaceutically acceptable salt thereof according to claim 26, 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 28]

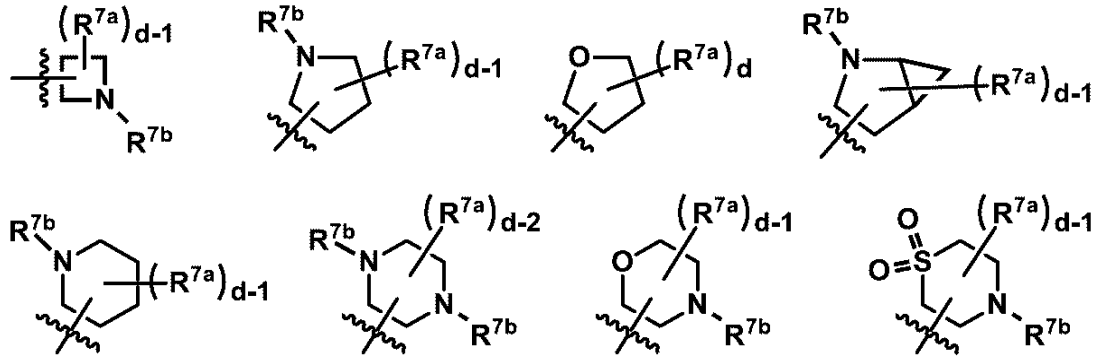
The compound or the pharmaceutically acceptable salt thereof according to claim 27, wherein R^{e2} and R^{f2} are hydrogen atoms.

[Claim 29]

The compound or the pharmaceutically acceptable salt thereof according to claim 27, 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 30]

The compound or the pharmaceutically acceptable salt thereof according to claim 20, wherein R^5 is a 4- to 6-membered non-aryl heterocycle selected from the group consisting of



,

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,

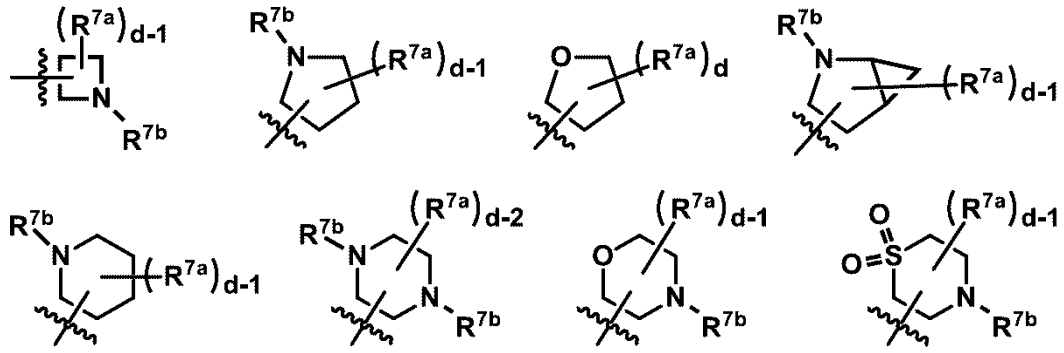
a combination of R^{e3} and R^{f3}, when attached to the same nitrogen atom, together may form an optionally substituted 4- to 10-membered nitrogen-containing non-aryl heterocycle .

[Claim 31]

The compound or the pharmaceutically acceptable salt thereof according to claim 30, wherein

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

[



,

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 group.

[Claim 32]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 33]

The compound or the pharmaceutically acceptable salt thereof according to claims 23, 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 34]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 35]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 36]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 37]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 38]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 39]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, 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 40]

The compound or the pharmaceutically acceptable salt thereof according to claim 23, wherein

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

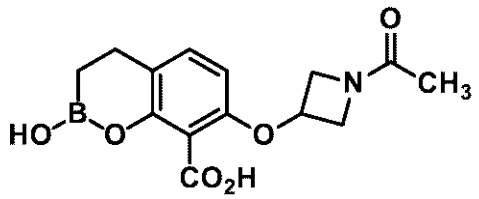
R^{12} is a hydrogen atom or a methyl group, and

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

[Claim 41]

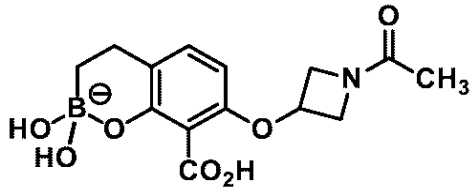
The compound or the pharmaceutically acceptable salt thereof according to claim 1, selected from the group consisting of:

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



,

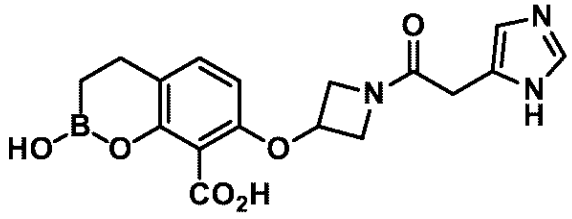
8-[(1-acetylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



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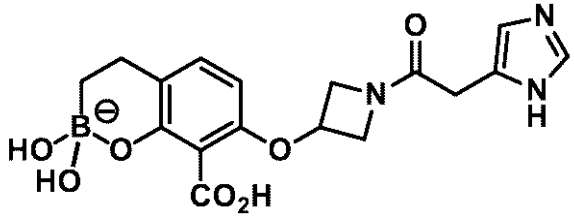
2-hydroxy-7-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic

acid



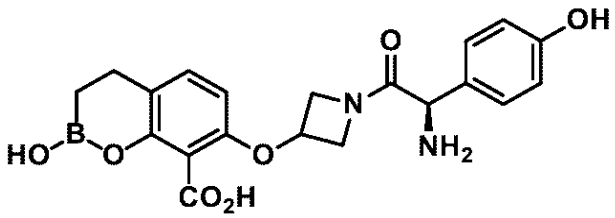
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4,4-dihydroxy-8-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



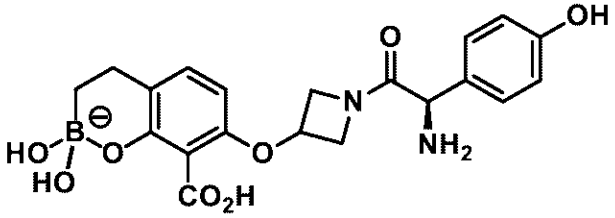
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7-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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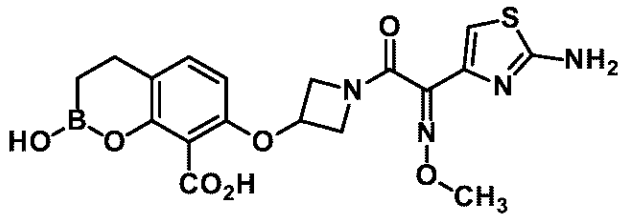
8-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



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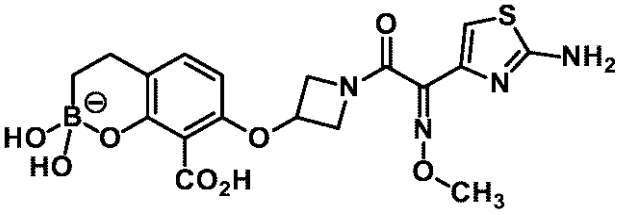
7-({1-[(2-amino-1,3-thiazol-4-yl)(methoxyimino)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid

[Chemical Formula 847]



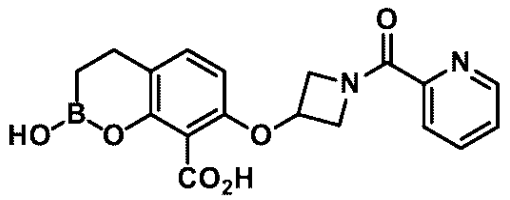
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8-({1-[(2-amino-1,3-thiazol-4-yl)(methoxyimino)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



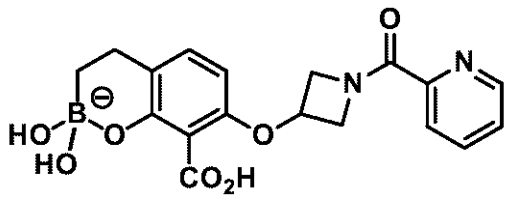
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2-hydroxy-7-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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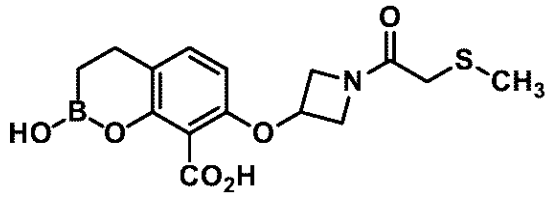
4,4-dihydroxy-8-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



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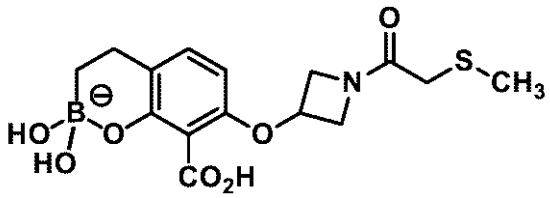
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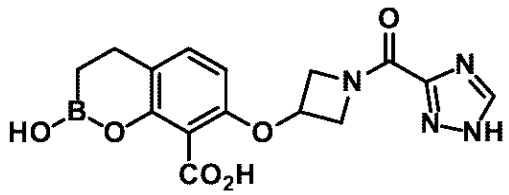
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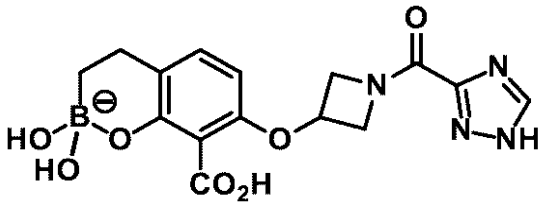
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2-hydroxy-7-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



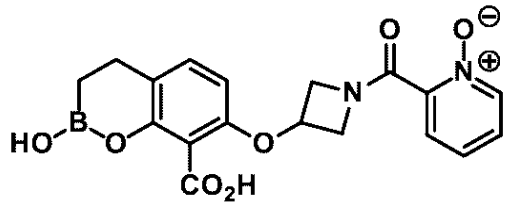
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4,4-dihydroxy-8-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



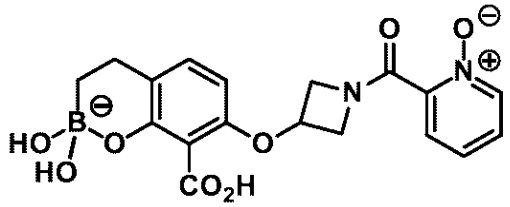
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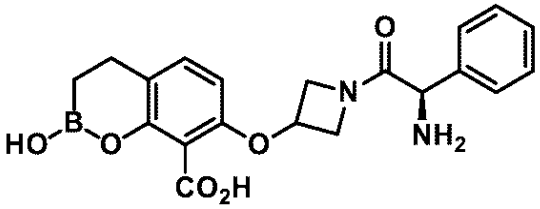
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4,4-dihydroxy-8-{[1-(1-oxido-2-pyridinylcarbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



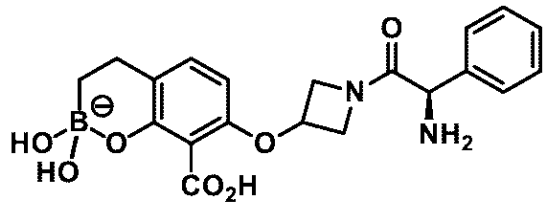
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7-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



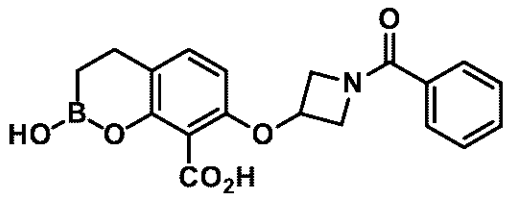
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8-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



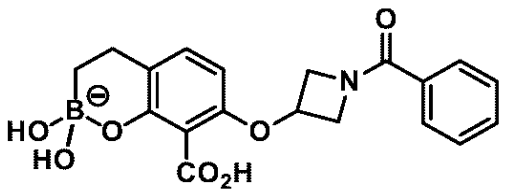
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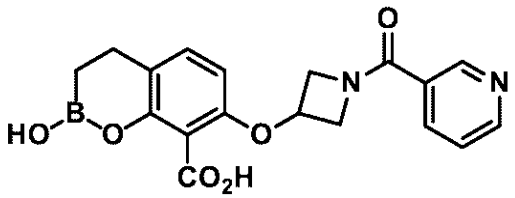
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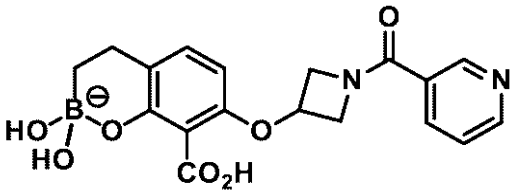
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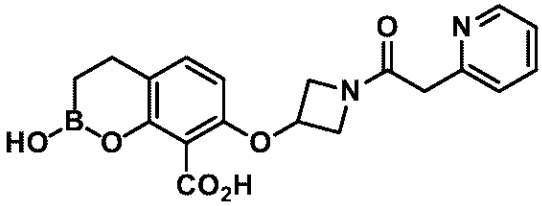
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4,4-dihydroxy-8-{[1-(pyridine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



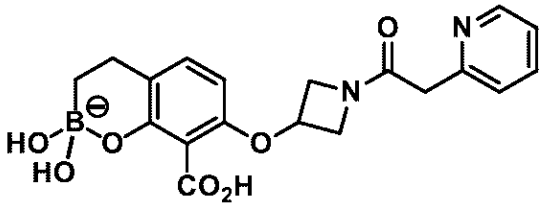
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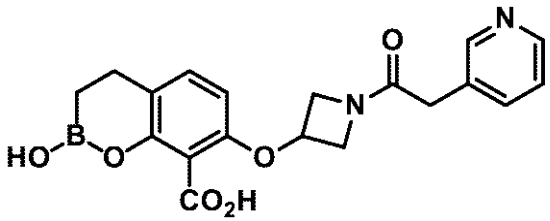
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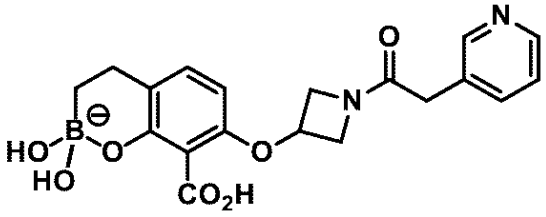
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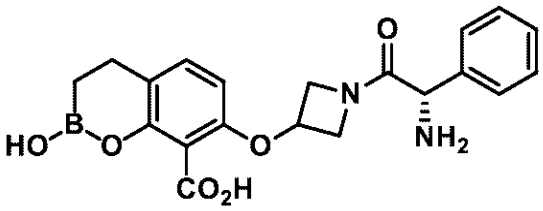
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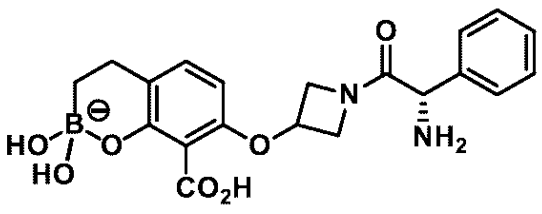
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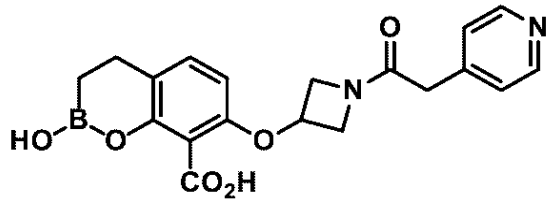
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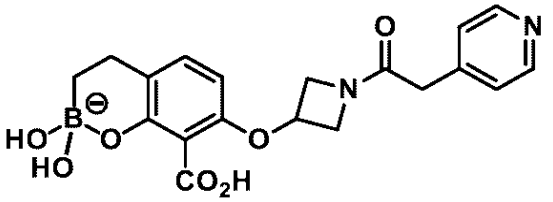
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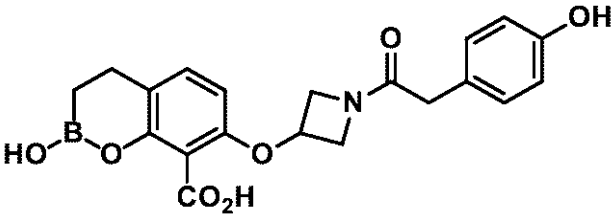
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4,4-dihydroxy-8-({1-[(pyridin-4-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



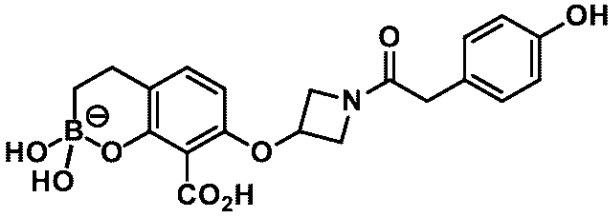
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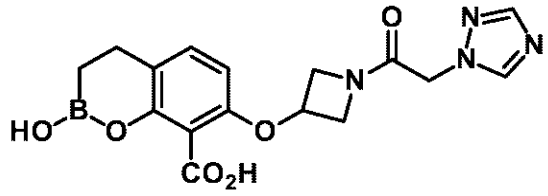
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4,4-dihydroxy-8-({1-[(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



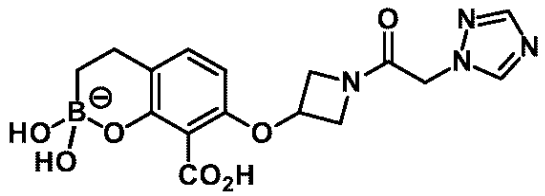
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2-hydroxy-7-({1-[(1H-1,2,4-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



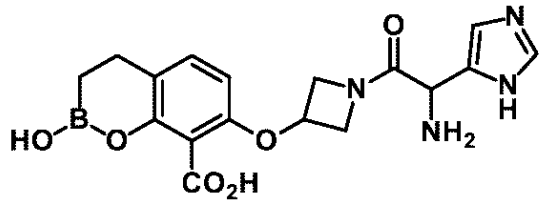
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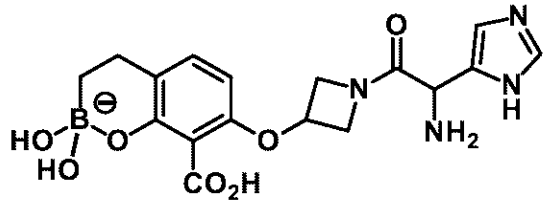
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7-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



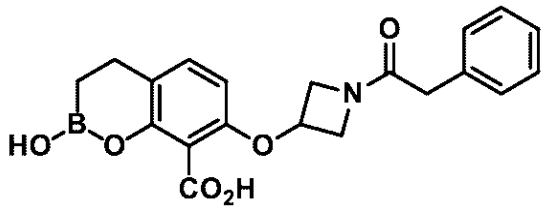
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8-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



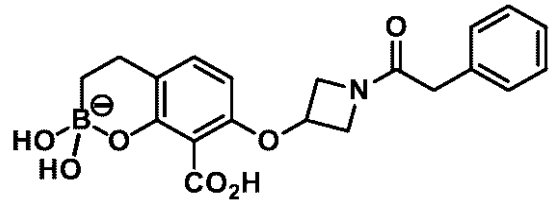
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2-hydroxy-7-{[1-(phenylacetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



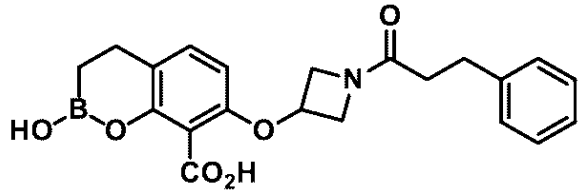
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4,4-dihydroxy-8-{[1-(phenylacetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



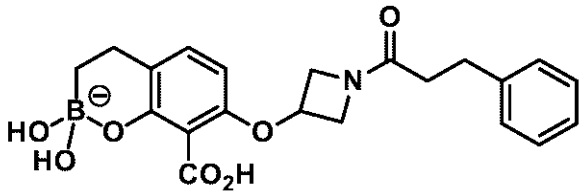
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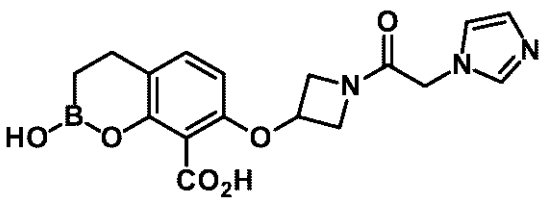
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4,4-dihydroxy-8-{[1-(3-phenylpropanoyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



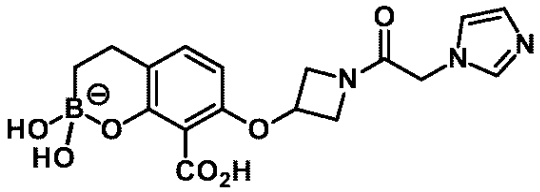
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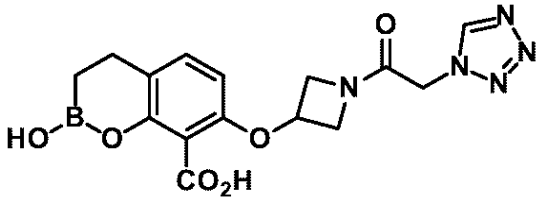
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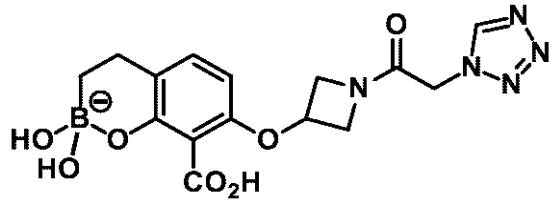
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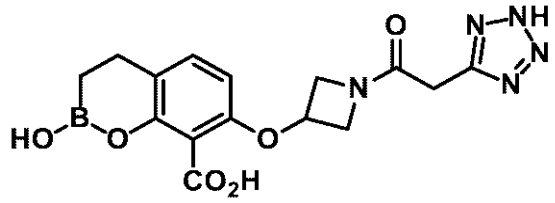
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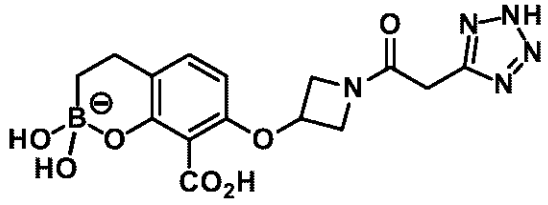
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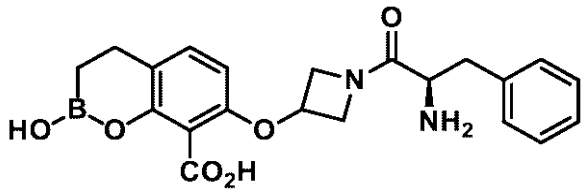
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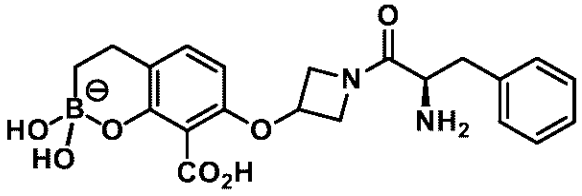
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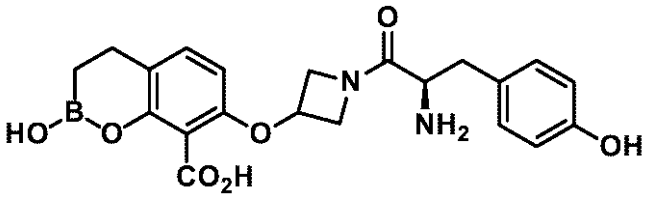
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4,4-dihydroxy-8-[(1-D-phenylalanylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



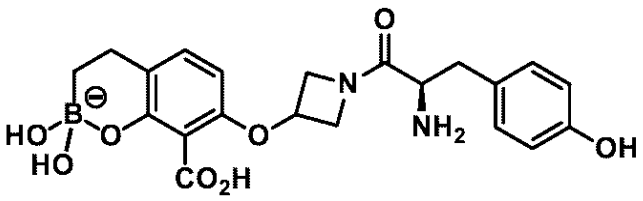
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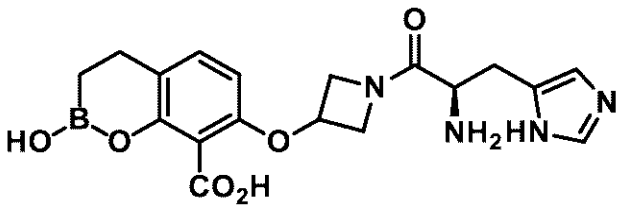
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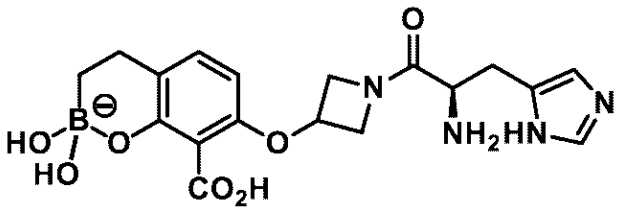
7-[(1-D-histidylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-

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



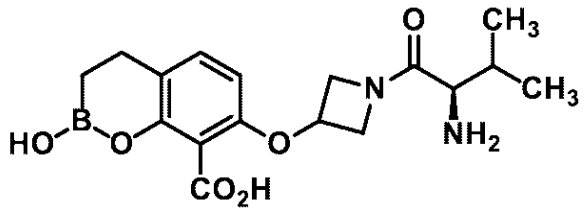
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8-[(1-D-histidylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



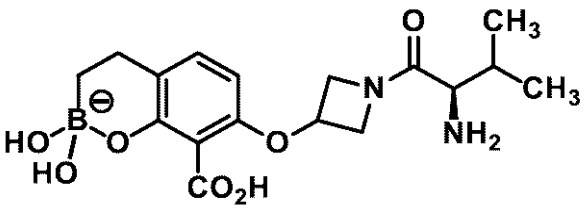
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2-hydroxy-7-[(1-D-valylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



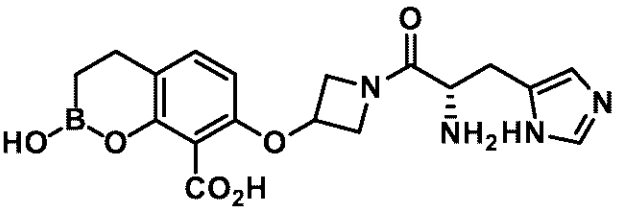
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4,4-dihydroxy-8-[(1-D-valylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



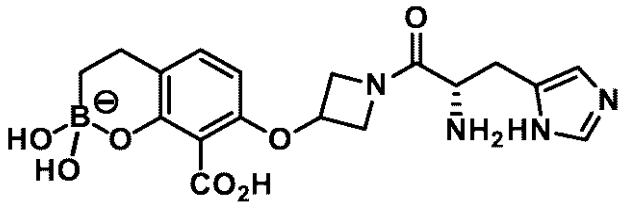
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7-[(1-L-histidylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



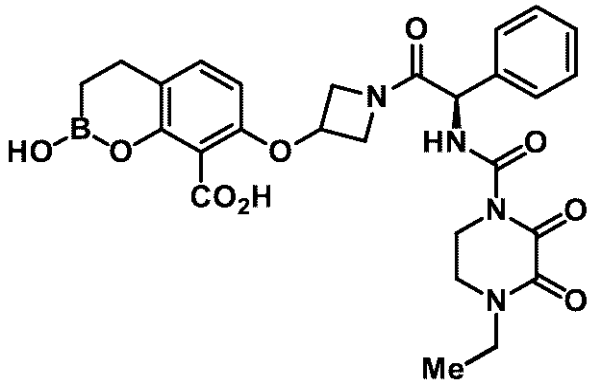
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8-[(1-L-histidylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



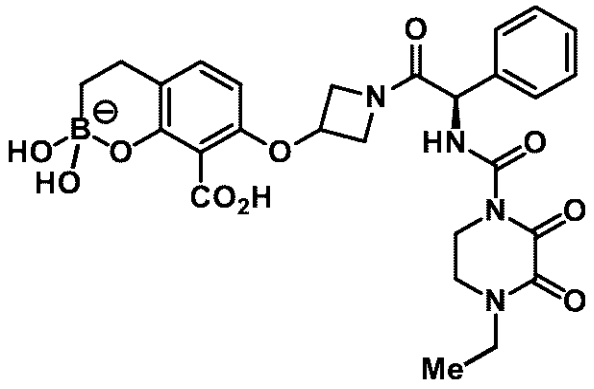
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7-[(1-{(2R)-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



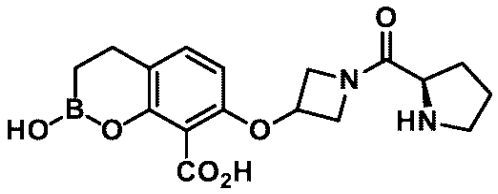
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8-[(1-{(2R)-2-[(4-ethyl-2,3-dioxopiperazine-1-carbonyl)amino]-2-phenylacetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



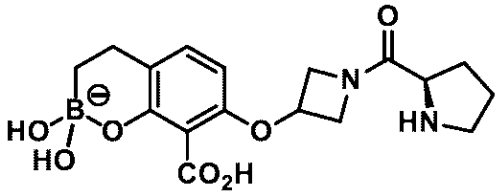
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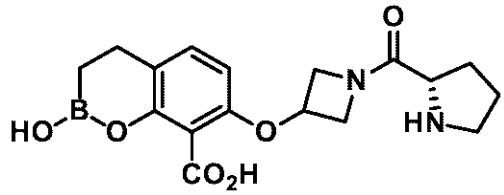
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4,4-dihydroxy-8-[(1-D-prolylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



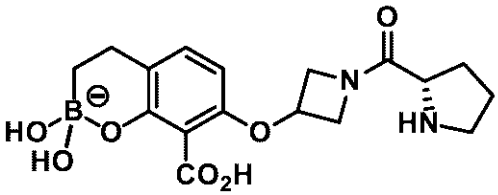
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2-hydroxy-7-[(1-L-prolylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



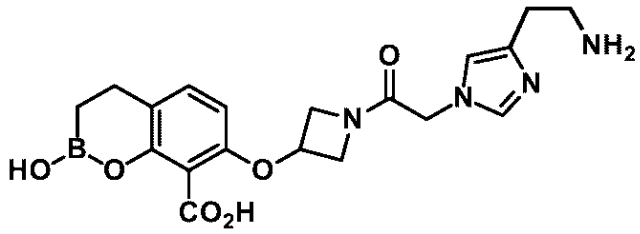
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4,4-dihydroxy-8-[(1-L-prolylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



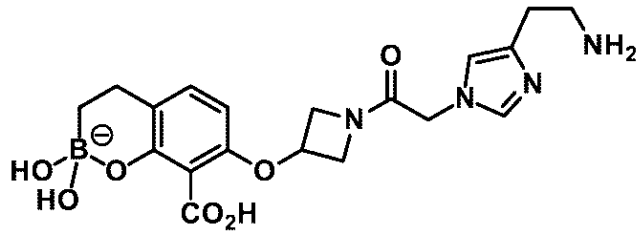
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7-[(1-{[4-(2-aminoethyl)-1H-imidazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



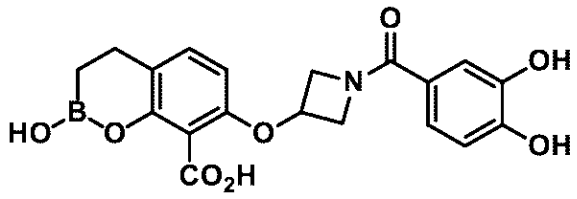
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8-[(1-{[4-(2-aminoethyl)-1H-imidazol-1-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



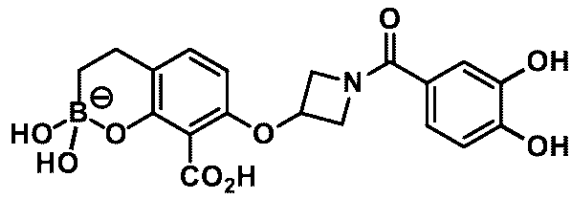
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7-{[1-(3,4-dihydroxybenzoyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



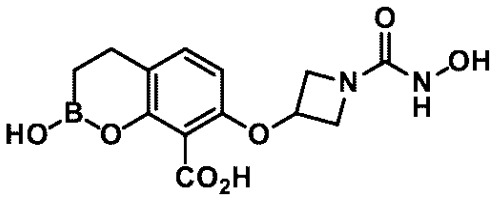
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8-{[1-(3,4-dihydroxybenzoyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



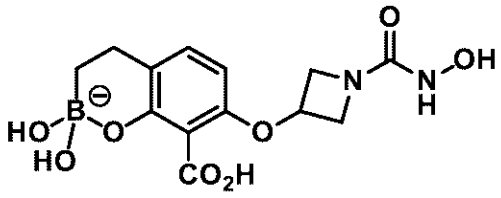
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2-hydroxy-7-{[1-(hydroxycarbamoyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



, or

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

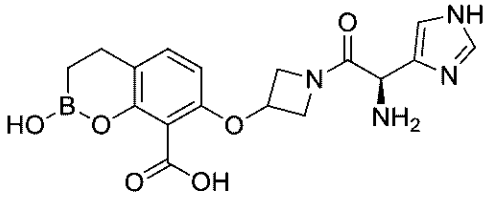


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[Claim 42]

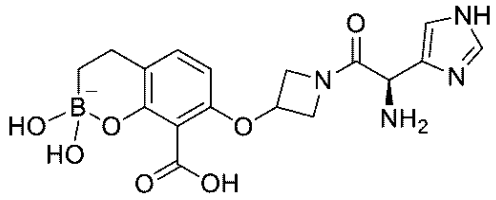
The compound or the pharmaceutically acceptable salt thereof of claim 1, represented by the following compound name or structural formula:

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



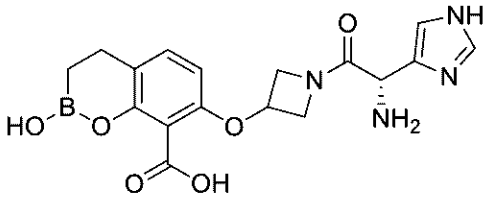
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8-({1-[(2R)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



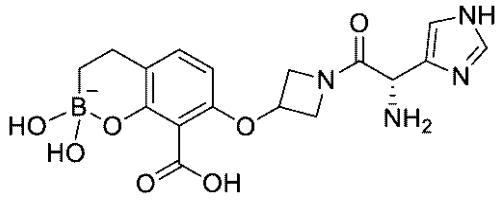
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7-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



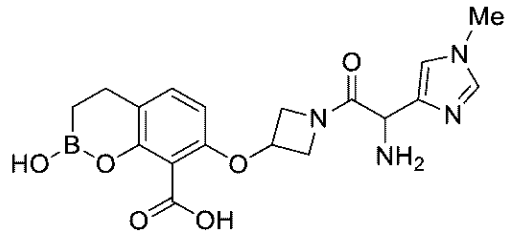
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8-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



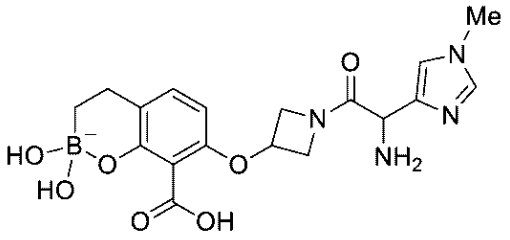
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7-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



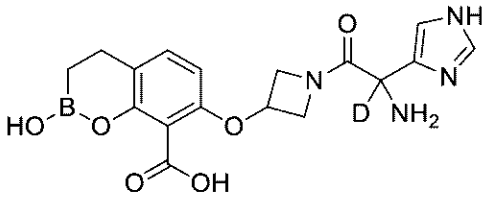
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8-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



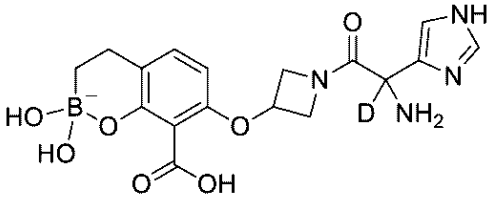
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7-({1-[2-amino-2-(1H-imidazol-4-yl)(^{2}H)ethanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



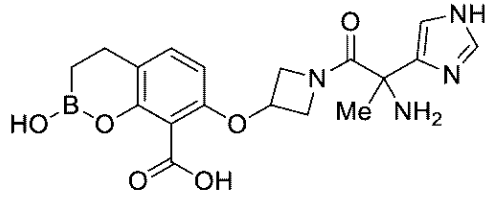
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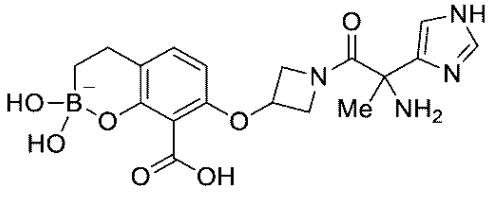
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7-({1-[2-amino-2-(1H-imidazol-4-yl)propanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



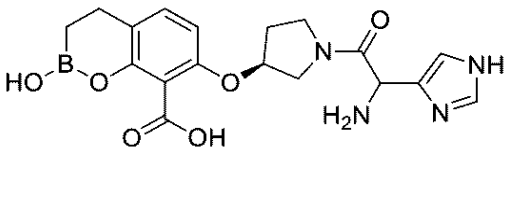
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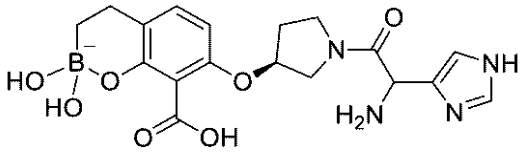
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7-({(3S)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



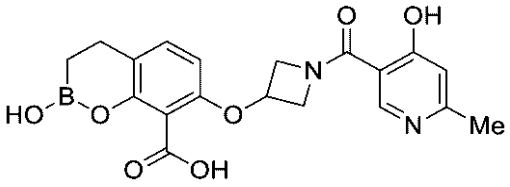
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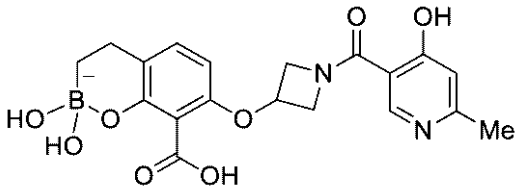
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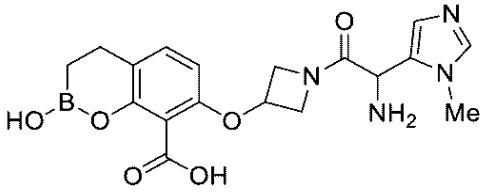
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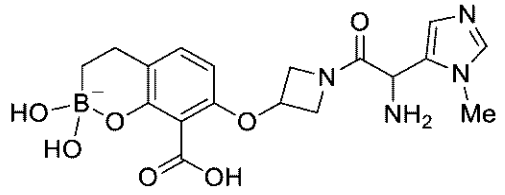
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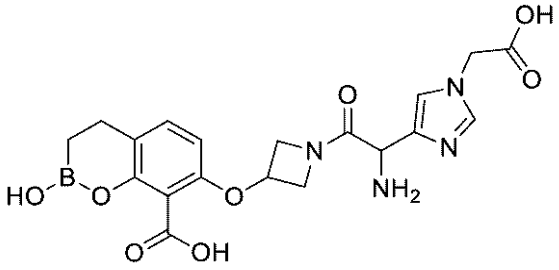
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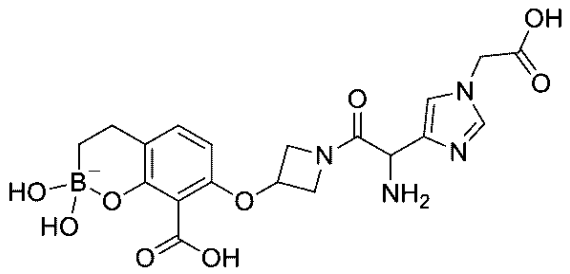
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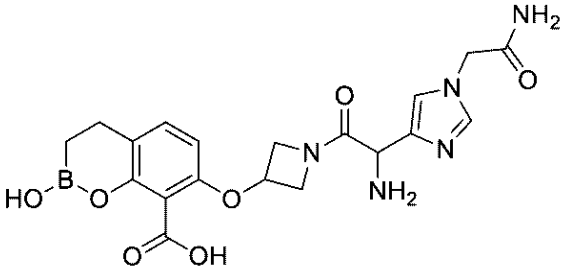
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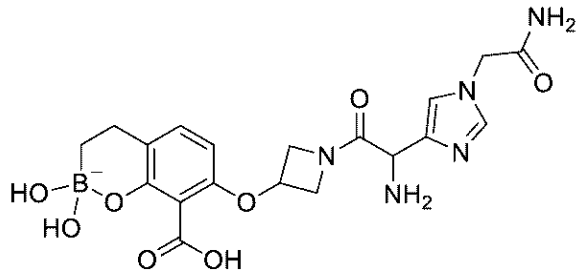
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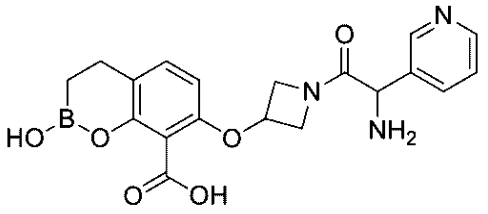
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boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



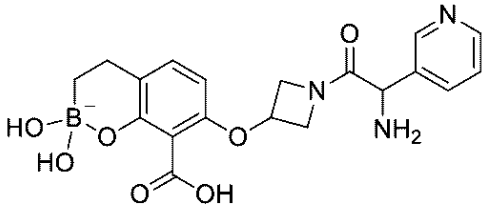
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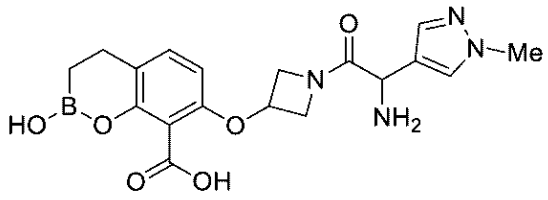
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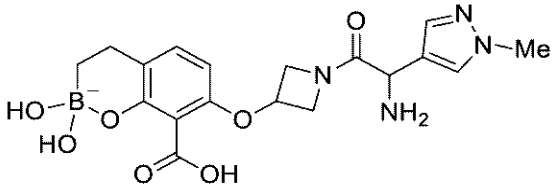
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7-({1-[amino(1-methyl-1H-pyrazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



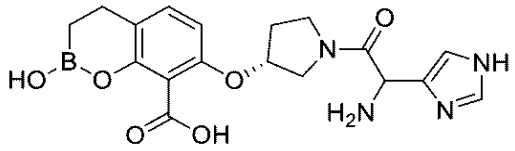
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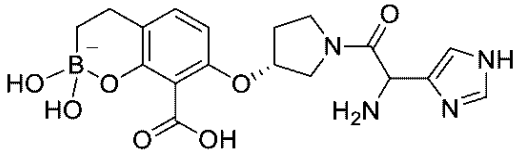
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7-({(3R)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



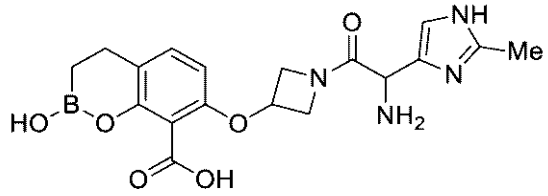
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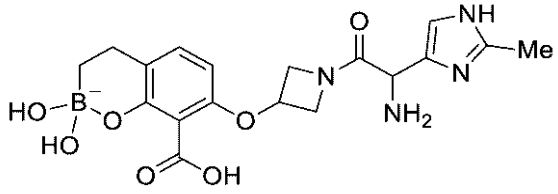
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7-({1-[amino(2-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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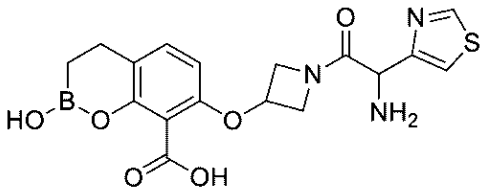
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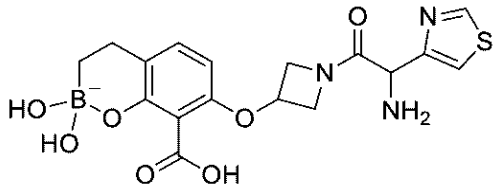
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hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



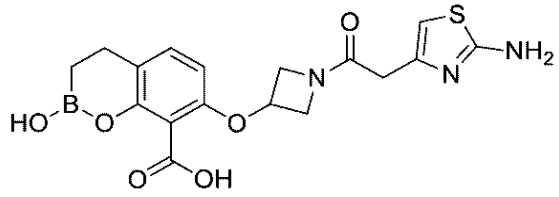
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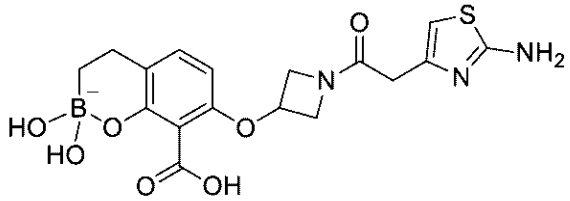
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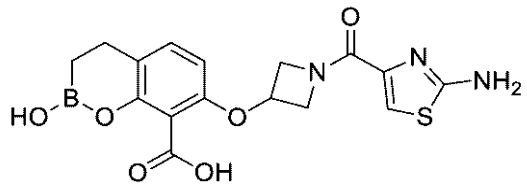
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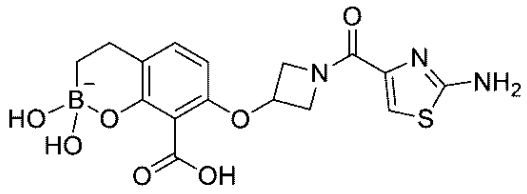
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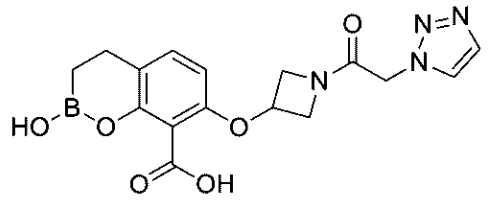
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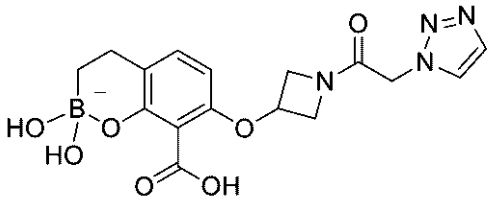
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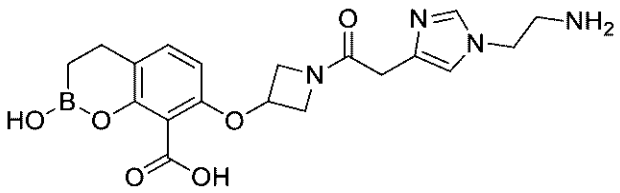
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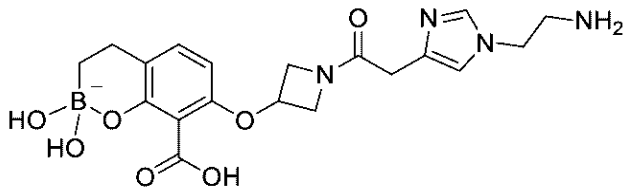
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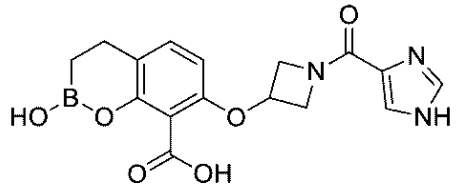
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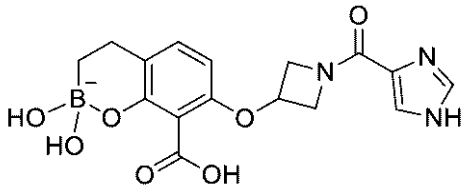
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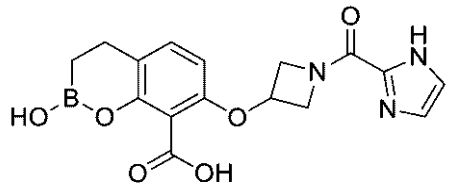
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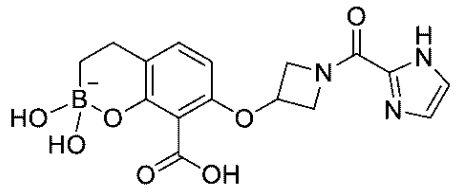
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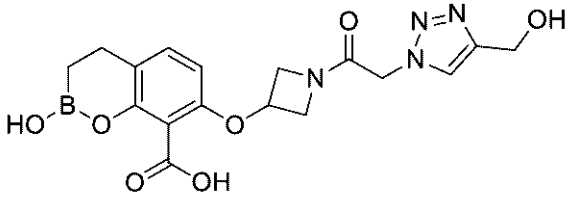
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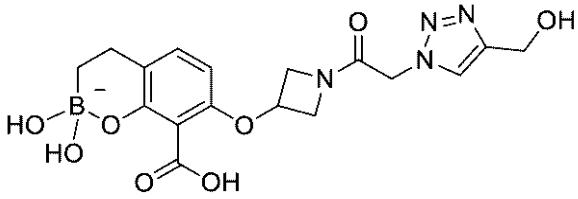
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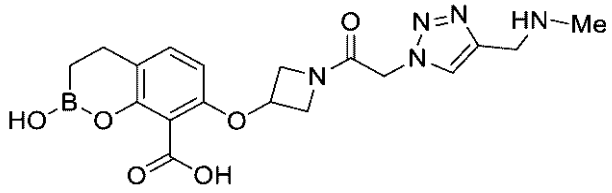
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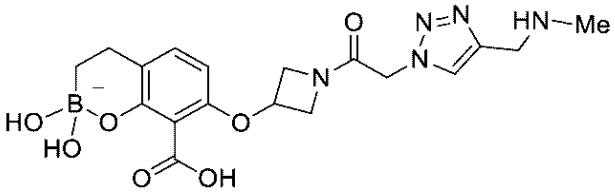
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2-hydroxy-7-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



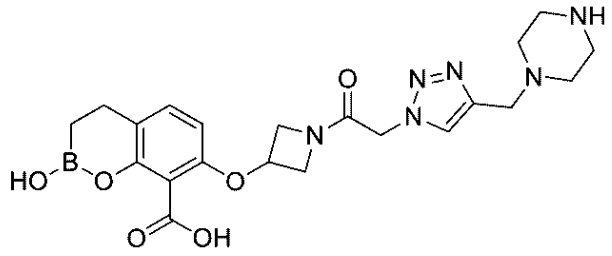
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4,4-dihydroxy-8-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



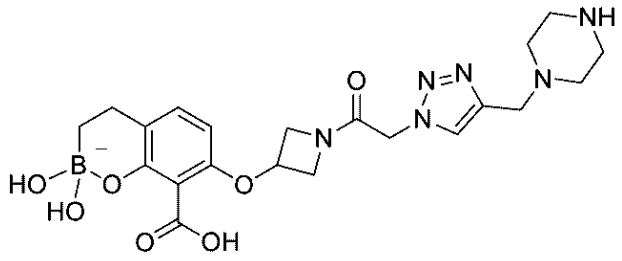
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2-hydroxy-7-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



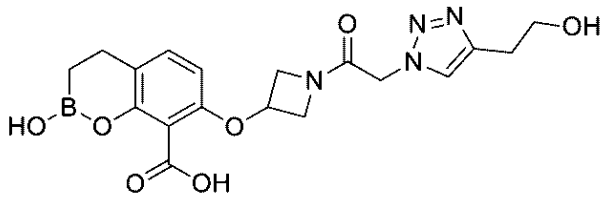
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4,4-dihydroxy-8-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



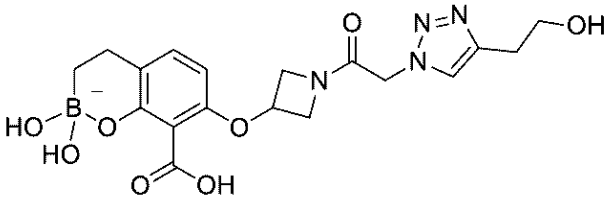
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2-hydroxy-7-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



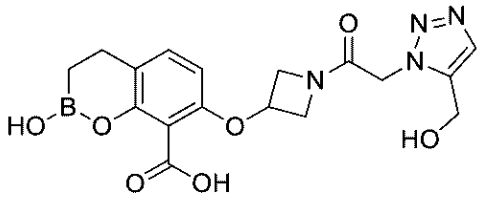
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4,4-dihydroxy-8-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



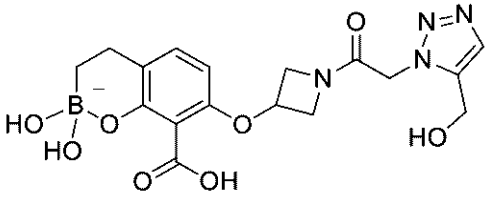
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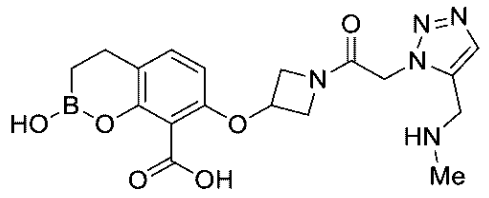
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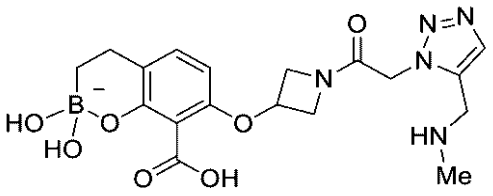
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2-hydroxy-7-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



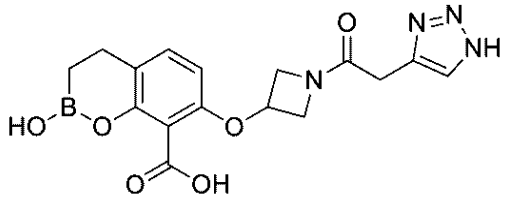
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4,4-dihydroxy-8-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



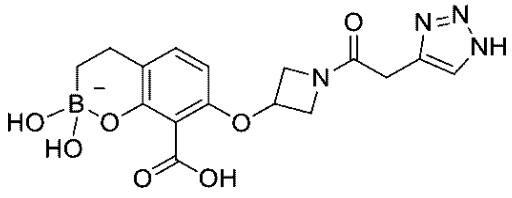
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2-hydroxy-7-({1-[(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



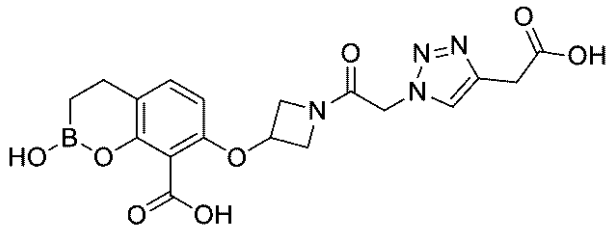
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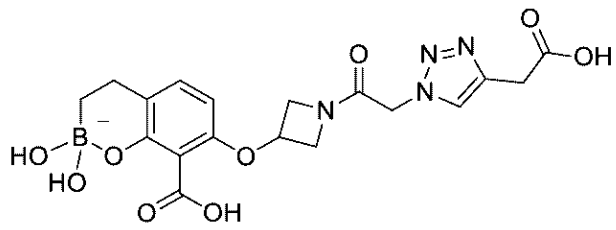
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7-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



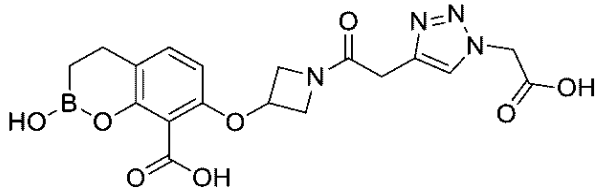
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8-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



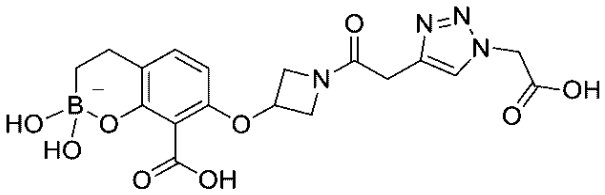
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7-[(1-{[1-(carboxymethyl)-1H-1,2,3-triazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



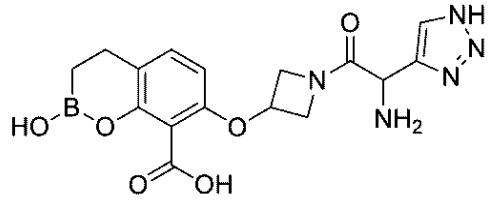
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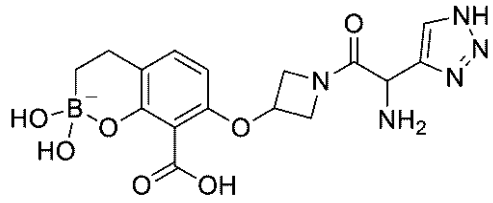
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7-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



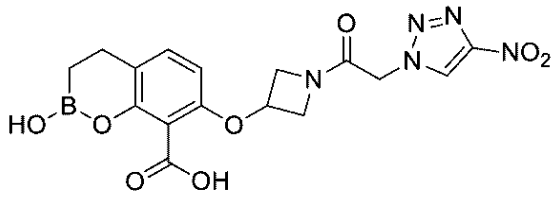
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8-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



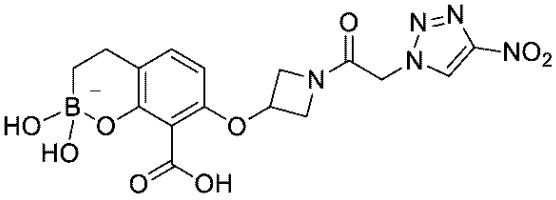
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2-hydroxy-7-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



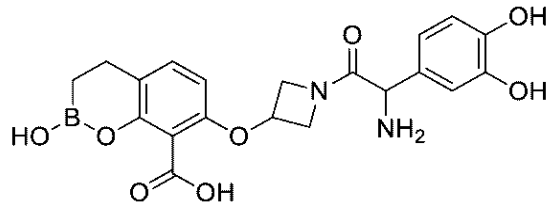
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4,4-dihydroxy-8-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



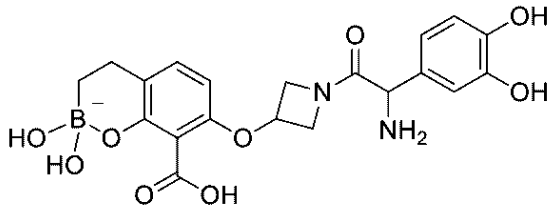
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7-({1-[amino(3,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



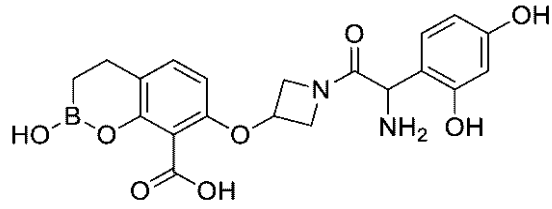
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8-({1-[amino(3,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



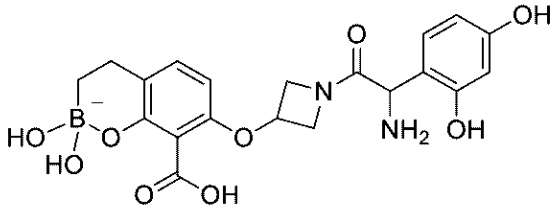
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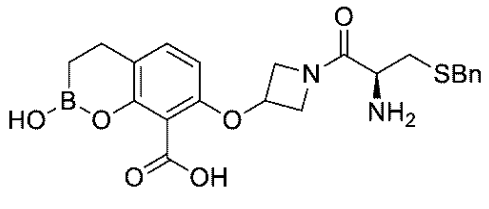
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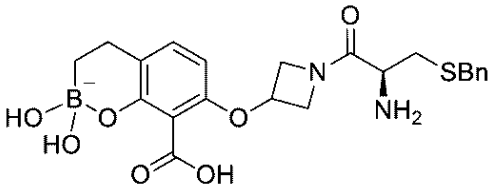
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7-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



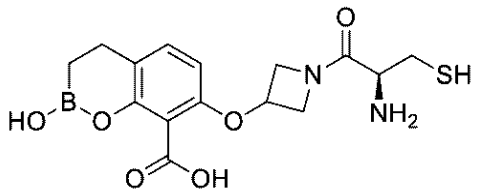
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8-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



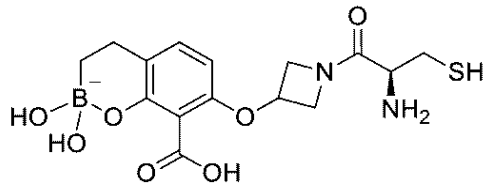
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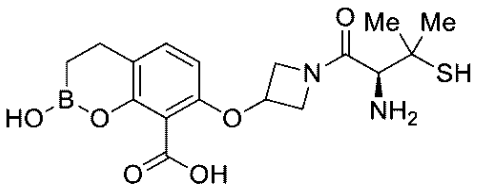
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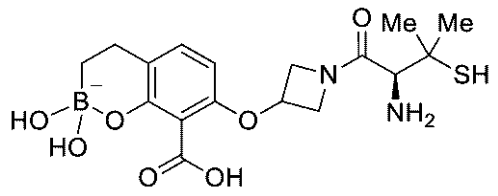
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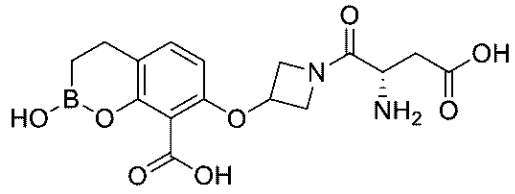
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4,4-dihydroxy-8-{[1-(3-sulfanyl-D-valyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



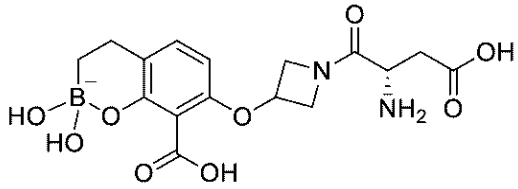
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7-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



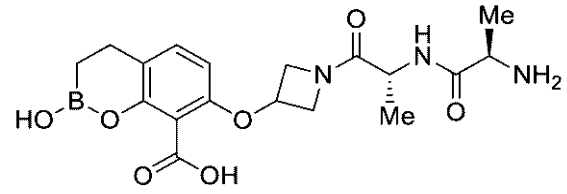
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8-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



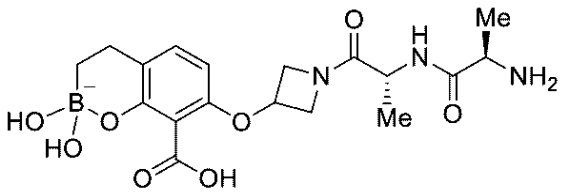
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7-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



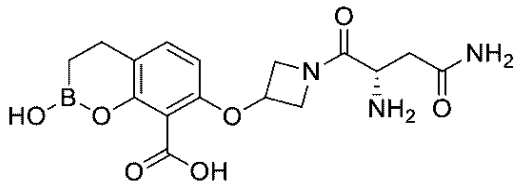
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8-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



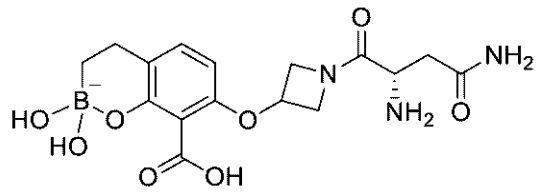
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7-[(1-L-asparaginylazetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



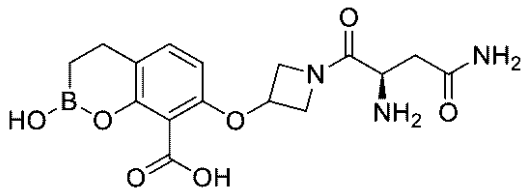
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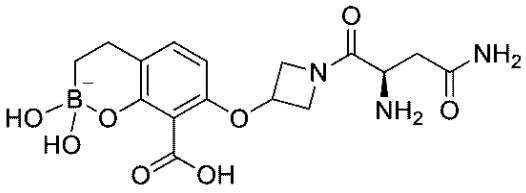
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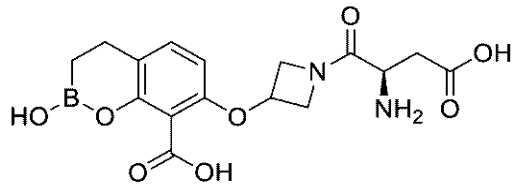
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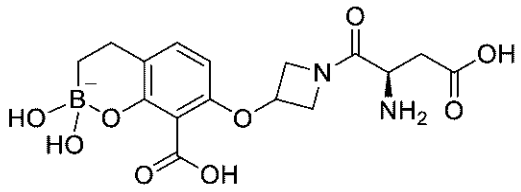
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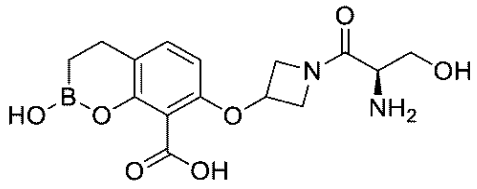
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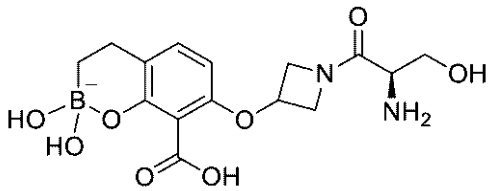
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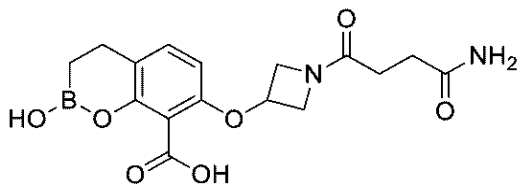
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4,4-dihydroxy-8-[(1-D-serylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



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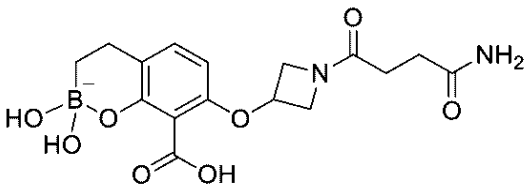
7-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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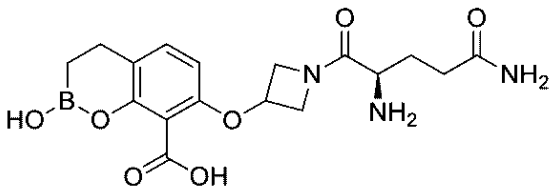
8-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-4,4-

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



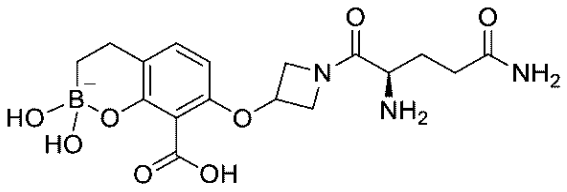
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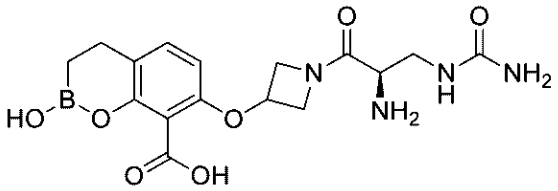
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8-[(1-D-glutaminylazetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



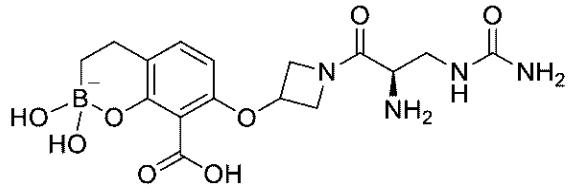
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7-({1-[3-(carbamoylamino)-D-alanyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



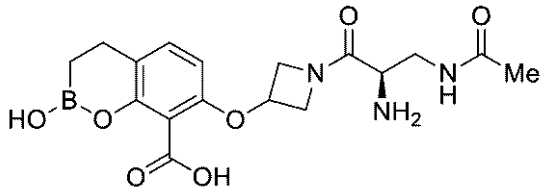
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8-({1-[3-(carbamoylamino)-D-alanyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



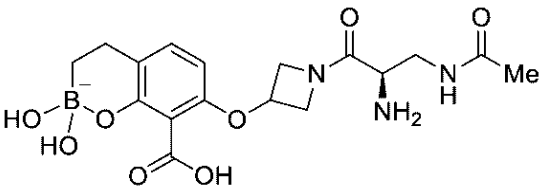
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7-{[1-(3-acetamido-D-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



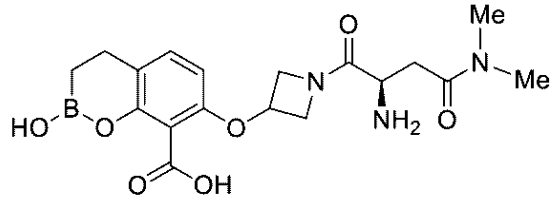
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8-{[1-(3-acetamido-D-alanyl)azetidin-3-yl]oxy-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



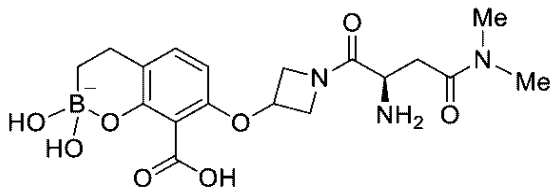
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7-{[1-(N,N-dimethyl-D-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



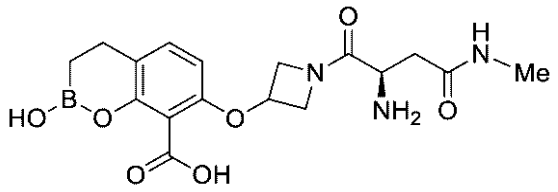
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8-{[1-(N,N-dimethyl-D-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



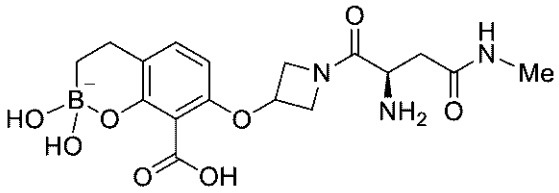
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2-hydroxy-7-{[1-(N-methyl-D-asparaginyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



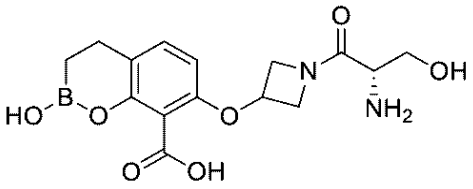
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4,4-dihydroxy-8-{[1-(N-methyl-D-asparaginyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



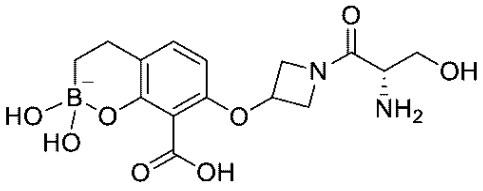
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2-hydroxy-7-[(1-L-serylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid



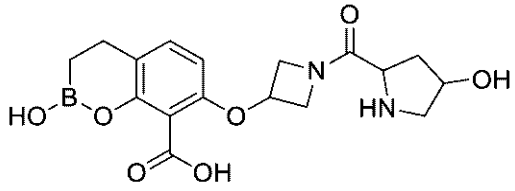
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4,4-dihydroxy-8-[(1-L-serylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



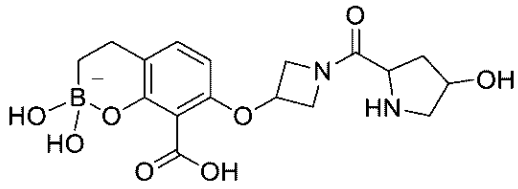
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2-hydroxy-7-{[1-(4-hydroxyprolyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



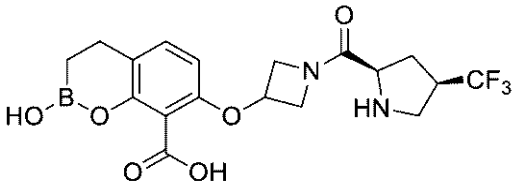
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4,4-dihydroxy-8-{[1-(4-hydroxyprolyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



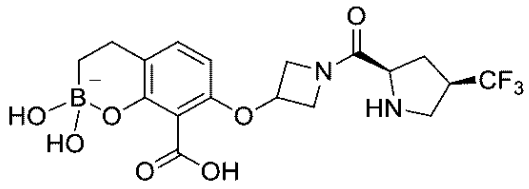
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2-hydroxy-7-({1-[(4R)-4-(trifluoromethyl)-D-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



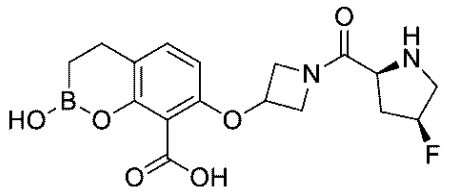
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4,4-dihydroxy-8-({1-[(4R)-4-(trifluoromethyl)-D-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



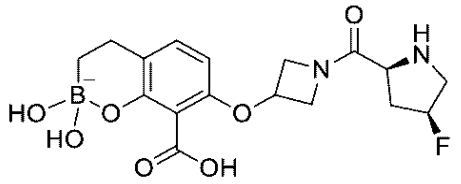
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7-({1-[(4S)-4-fluoro-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



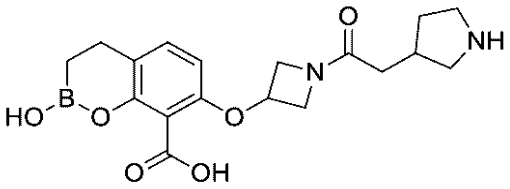
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8-({1-[(4S)-4-fluoro-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



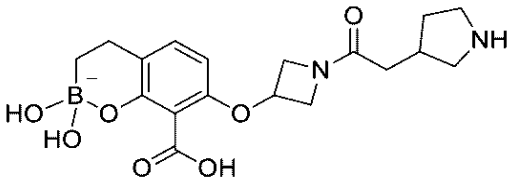
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2-hydroxy-7-({1-[(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



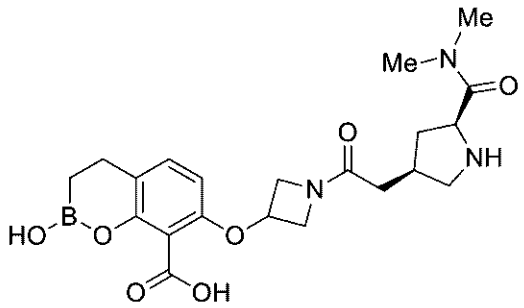
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4,4-dihydroxy-8-({1-[(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



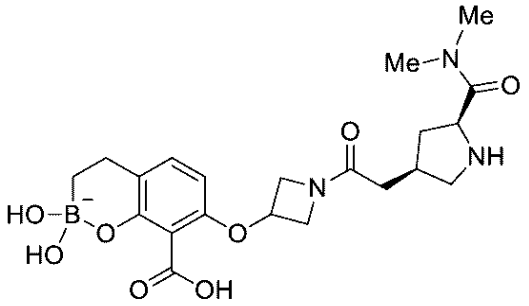
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7-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



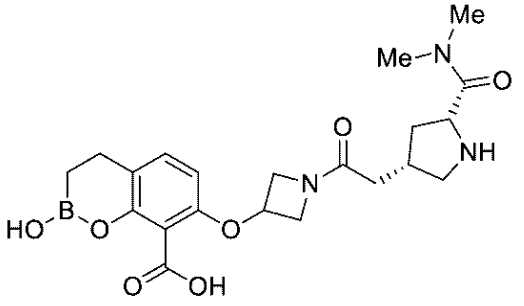
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8-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



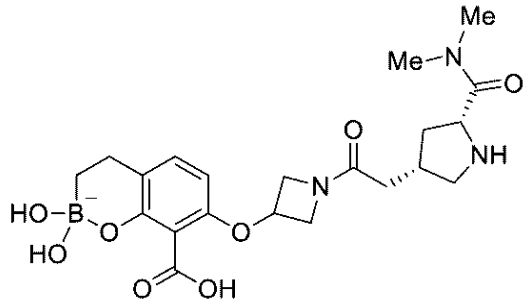
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7-[(1-{[(3S,5R)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



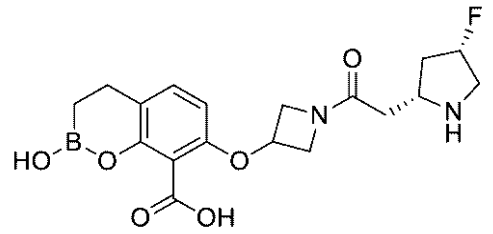
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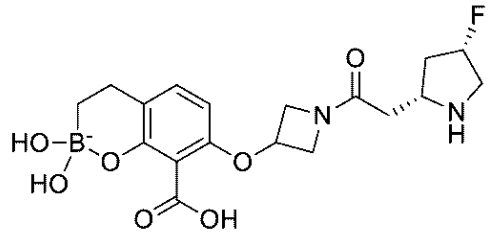
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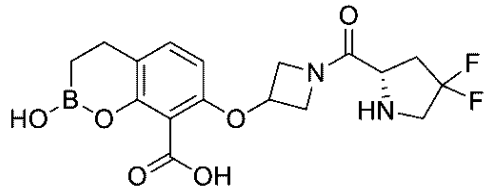
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8-[(1-{[(2R,4S)-4-fluoropyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



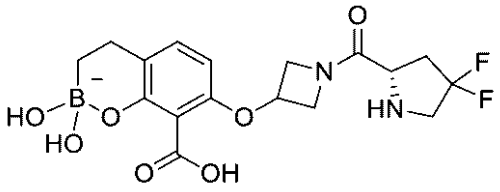
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7-{[1-(4,4-difluoro-L-prolyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



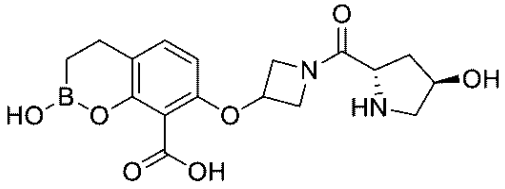
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8-{[1-(4,4-difluoro-L-prolyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



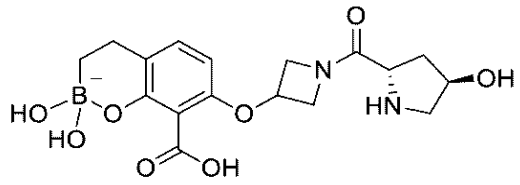
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2-hydroxy-7-({1-[(4R)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



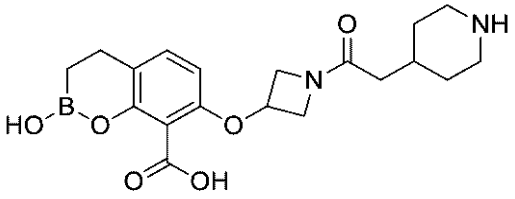
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4,4-dihydroxy-8-({1-[(4R)-4-hydroxy-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



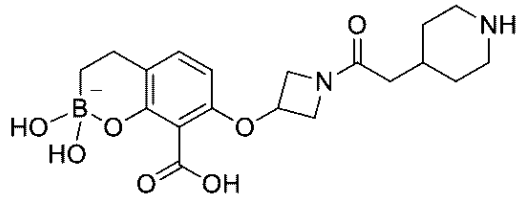
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2-hydroxy-7-({1-[(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



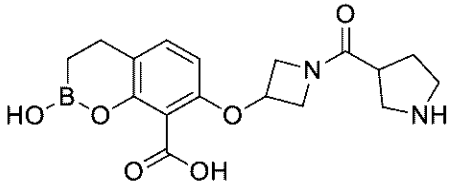
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4,4-dihydroxy-8-({1-[(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



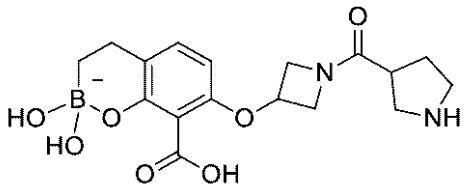
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2-hydroxy-7-{[1-(pyrrolidine-3-carbonyl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



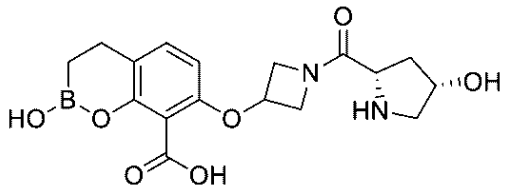
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4,4-dihydroxy-8-{[1-(pyrrolidine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



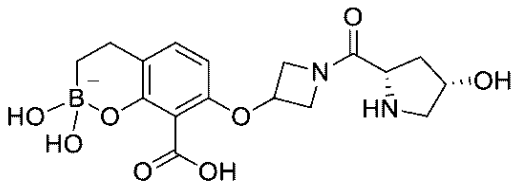
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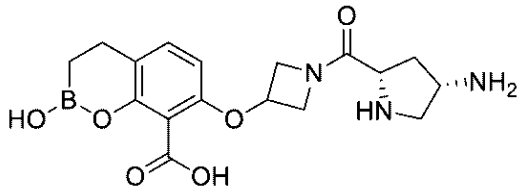
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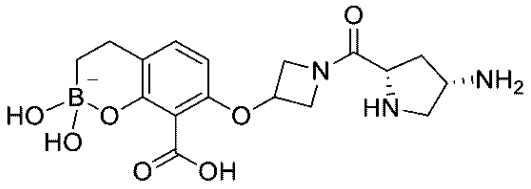
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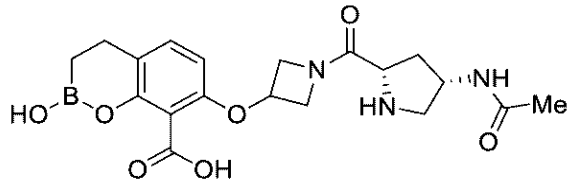
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8-({1-[(4S)-4-amino-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



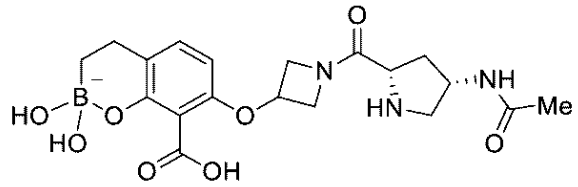
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7-({1-[(4S)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



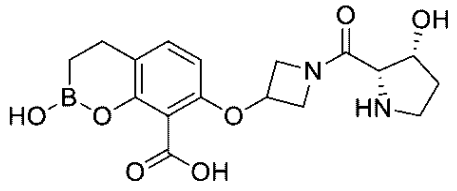
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8-({1-[(4S)-4-acetamido-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



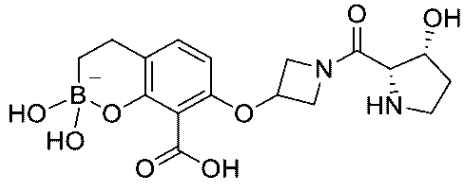
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2-hydroxy-7-({1-[(3R)-3-hydroxy-L-prolyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



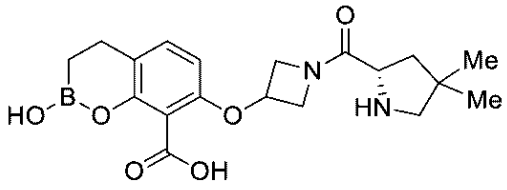
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4,4-dihydroxy-8-({1-[(3R)-3-hydroxy-L-prolyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



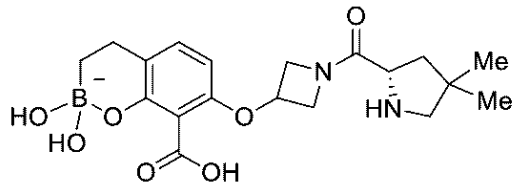
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7-{[1-(4,4-dimethyl-L-prolyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



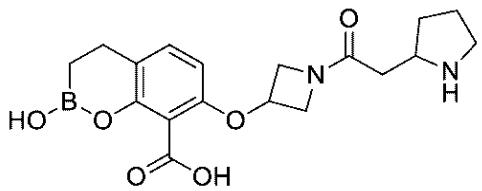
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8-{[1-(4,4-dimethyl-L-prolyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



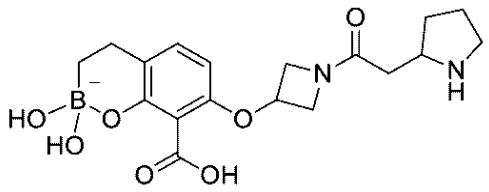
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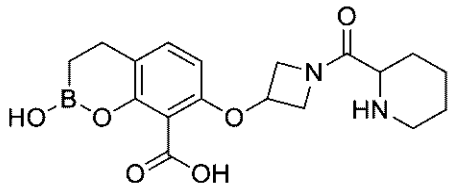
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4,4-dihydroxy-8-({1-[(pyrrolidin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



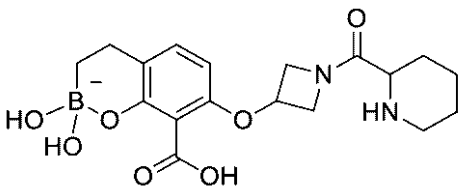
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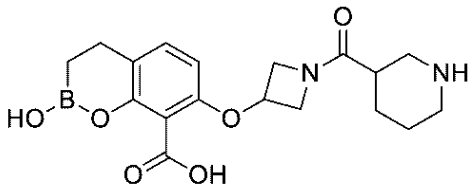
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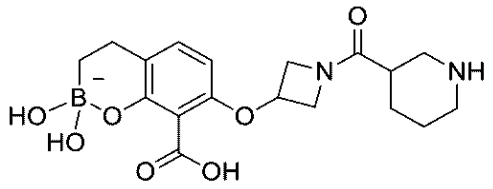
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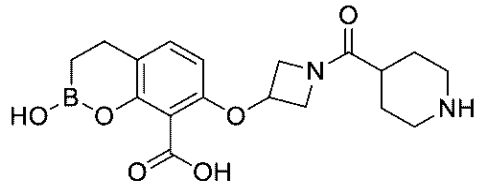
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4,4-dihydroxy-8-{[1-(piperidine-3-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



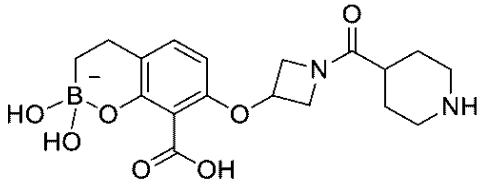
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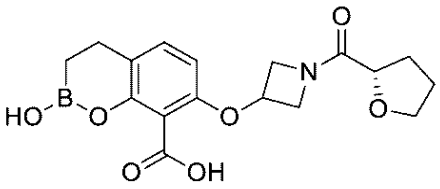
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4,4-dihydroxy-8-{[1-(piperidine-4-carbonyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



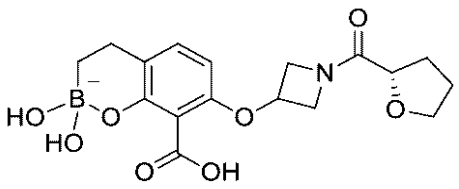
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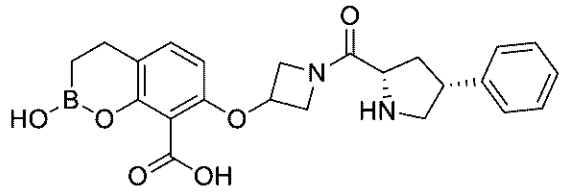
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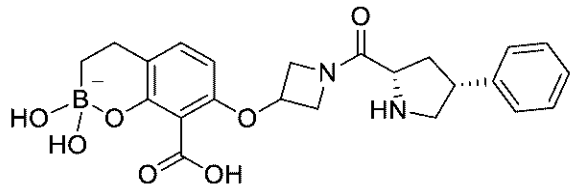
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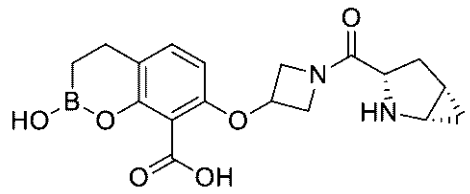
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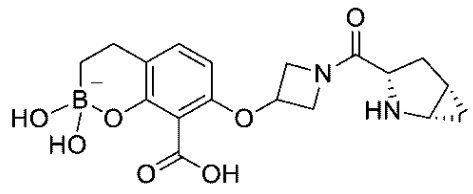
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7-({1-[(1S,3S,5S)-2-azabicyclo[3.1.0]hexane-3-carbonyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



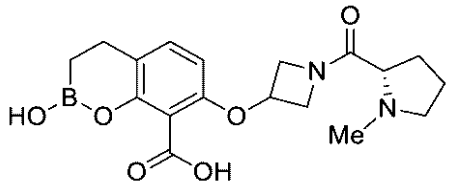
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8-({1-[(1S,3S,5S)-2-azabicyclo[3.1.0]hexane-3-carbonyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



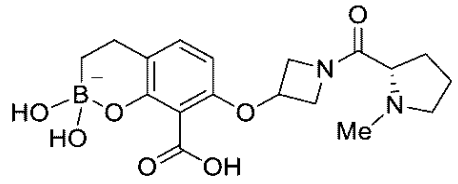
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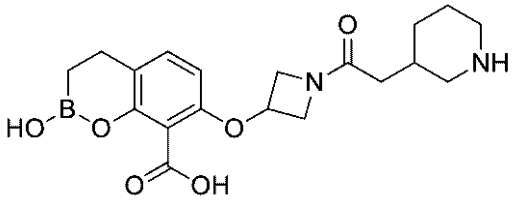
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4,4-dihydroxy-8-{[1-(1-methyl-L-prolyl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



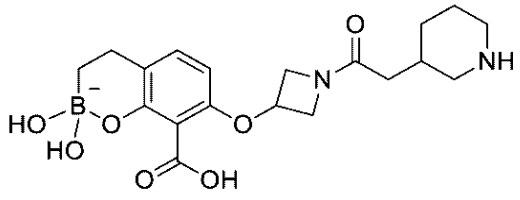
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2-hydroxy-7-({1-[(piperidin-3-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



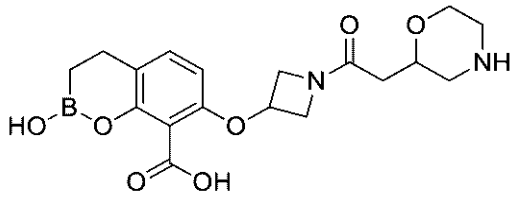
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4,4-dihydroxy-8-({1-[(piperidin-3-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



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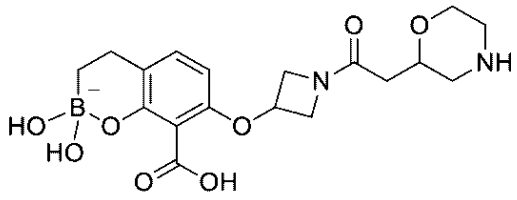
2-hydroxy-7-({1-[(morpholin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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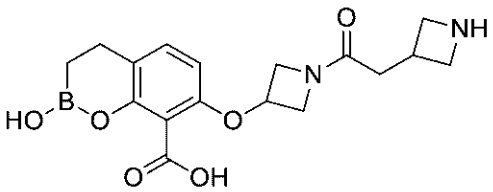
4,4-dihydroxy-8-({1-[(morpholin-2-yl)acetyl]azetidin-3-

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



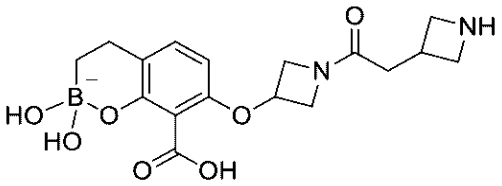
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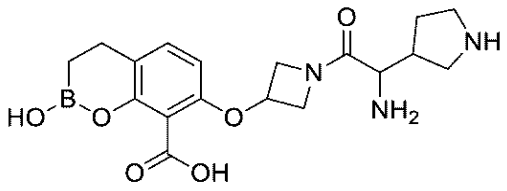
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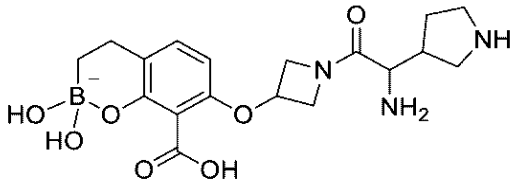
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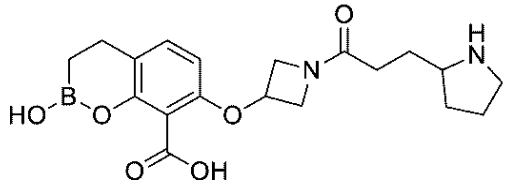
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8-({1-[amino(pyrrolidin-3-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



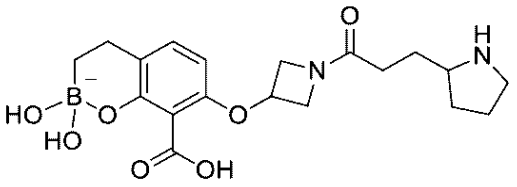
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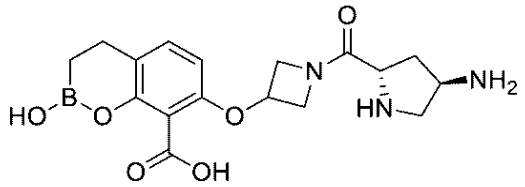
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4,4-dihydroxy-8-({1-[3-(pyrrolidin-2-yl)propanoyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



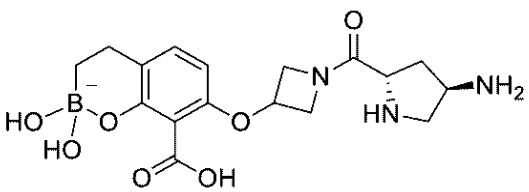
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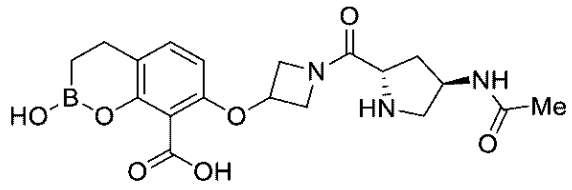
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8-({1-[(4R)-4-amino-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



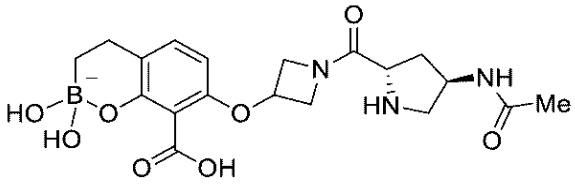
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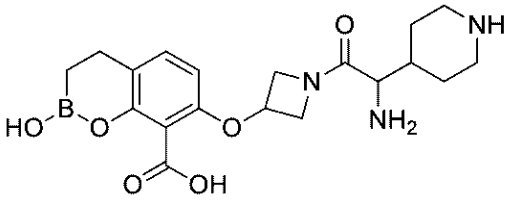
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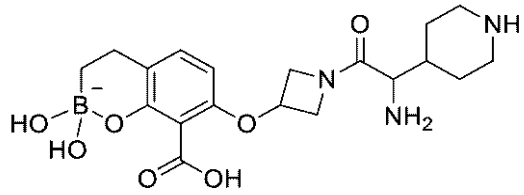
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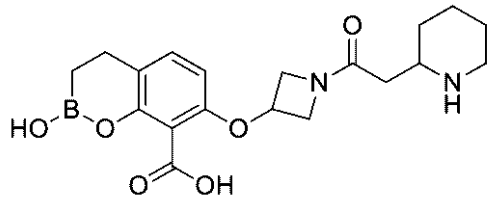
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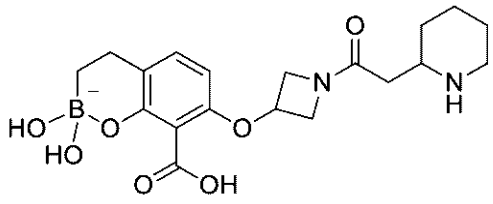
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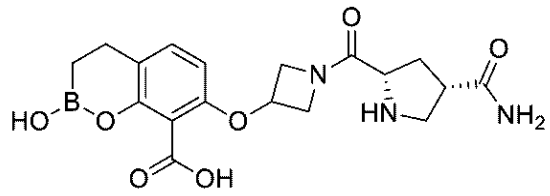
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4,4-dihydroxy-8-({1-[(piperidin-2-yl)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



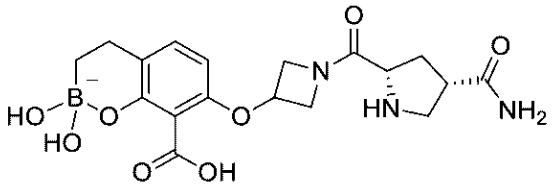
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7-({1-[(4S)-4-carbamoyl-L-prolyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



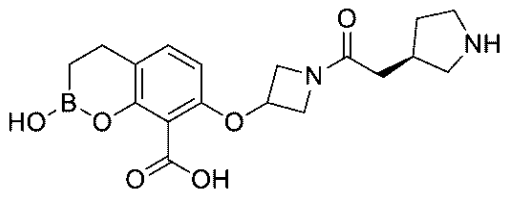
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8-({1-[(4S)-4-carbamoyl-L-prolyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



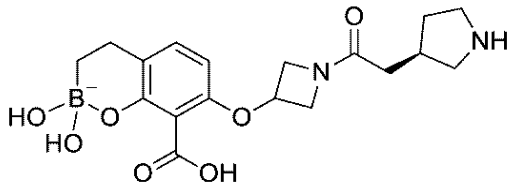
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2-hydroxy-7-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborine-8-carboxylic acid



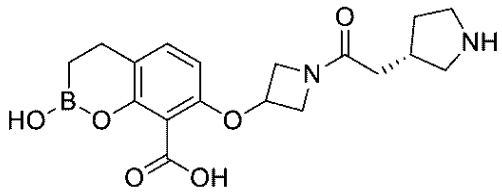
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4,4-dihydroxy-8-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



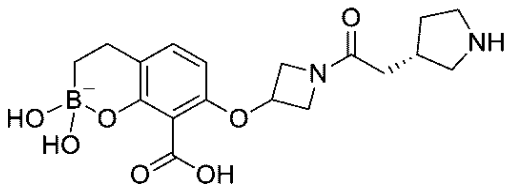
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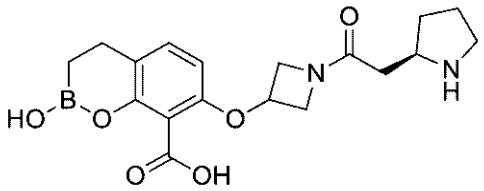
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4,4-dihydroxy-8-[(1-{[(3S)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



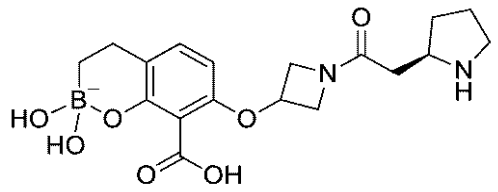
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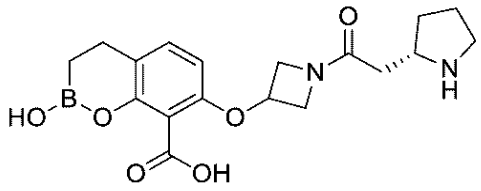
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4,4-dihydroxy-8-[(1-{[(2R)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



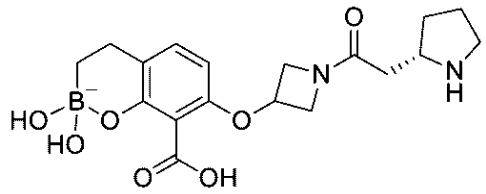
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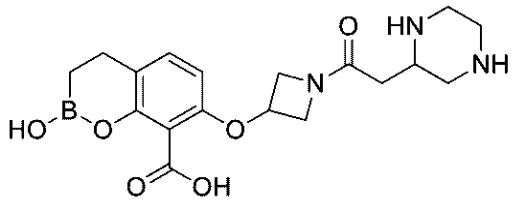
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4,4-dihydroxy-8-[(1-{[(2S)-pyrrolidin-2-yl]acetyl}azetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



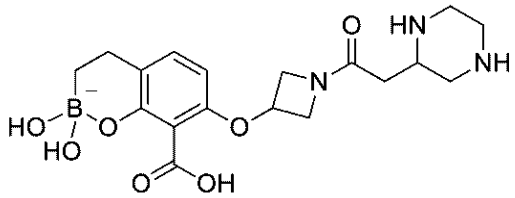
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2-hydroxy-7-({1-[(piperazin-2-yl)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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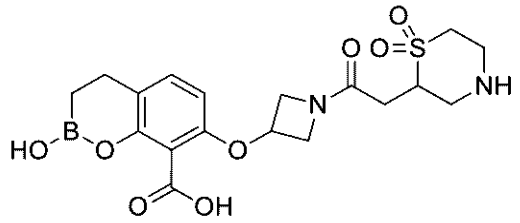
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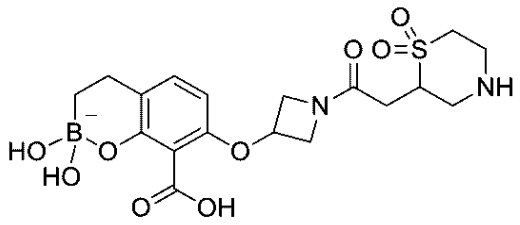
7-({1-[(1,1-dioxo-1λ^6-thiomorpholin-2-yl)acetyl]azetidin-3-

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



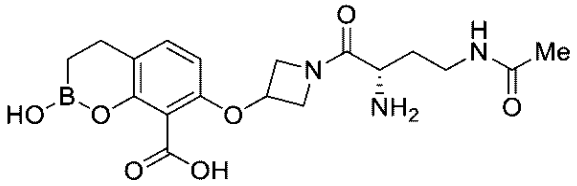
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8-({1-[(1,1-dioxo-1λ⁶-thiomorpholin-2-yl)acetyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



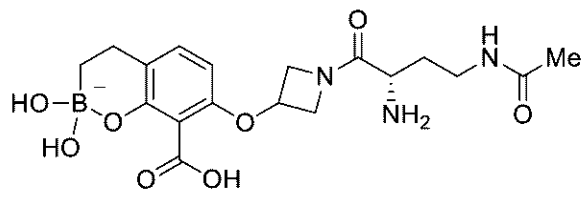
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7-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



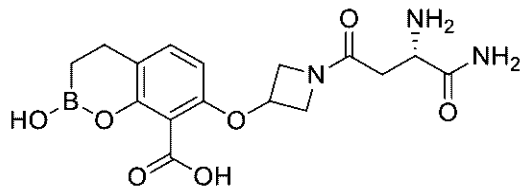
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8-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



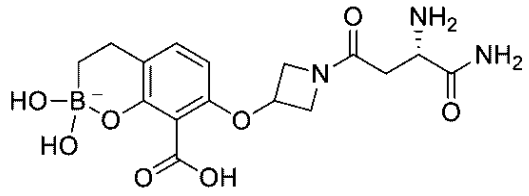
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7-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



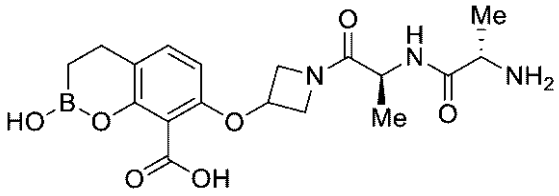
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8-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



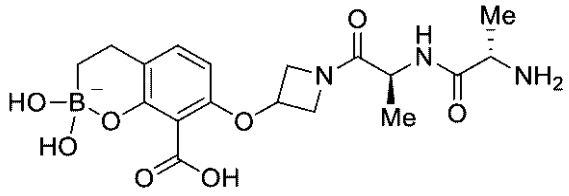
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7-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



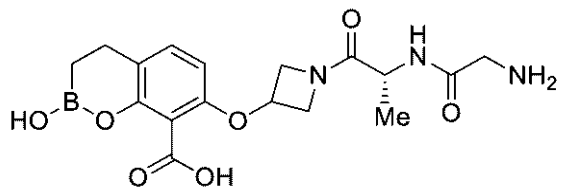
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8-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



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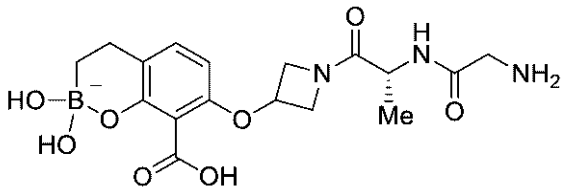
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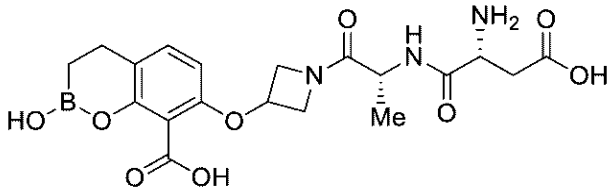
8-{[1-(glycyl-D-alanyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-

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



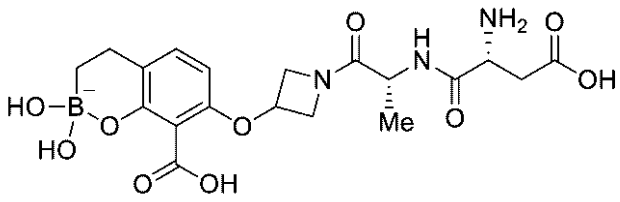
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N-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-asparagine



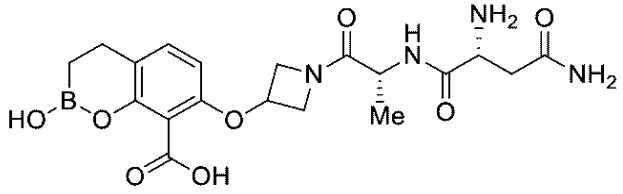
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N-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-asparagine



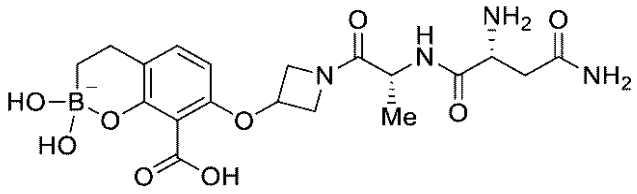
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N^1-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide



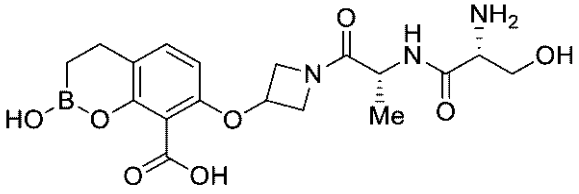
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N^1-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide



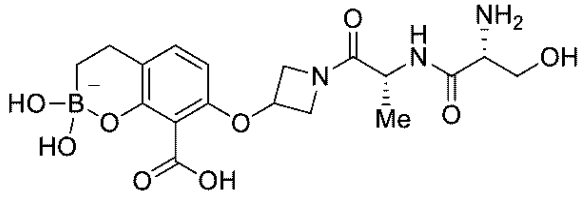
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N-[(2R)-1-{3-[(8-carboxy-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-7-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide



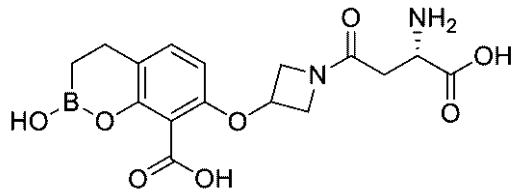
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N-[(2R)-1-{3-[(7-carboxy-4,4-hydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-trien-8-yl)oxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide



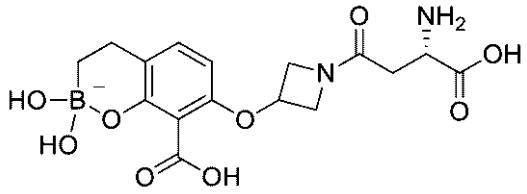
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7-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



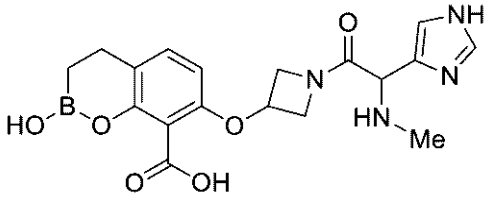
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8-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



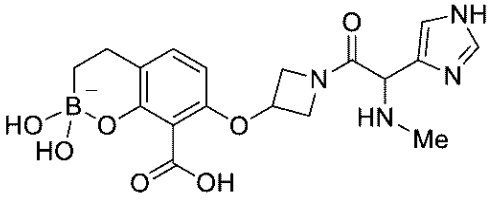
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2-hydroxy-7-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



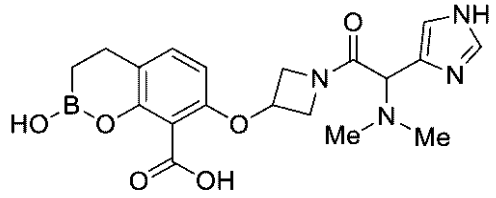
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4,4-dihydroxy-8-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



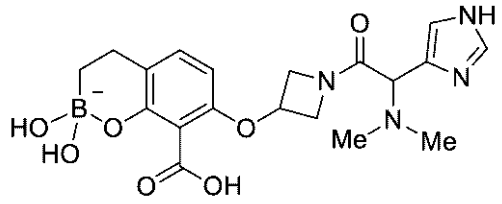
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2-hydroxy-7-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



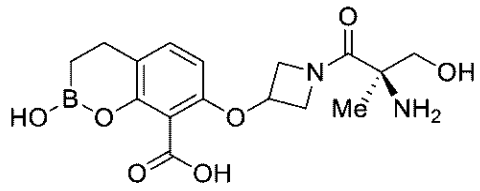
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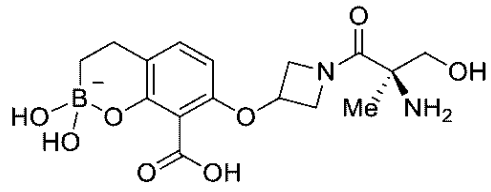
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2-hydroxy-7-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



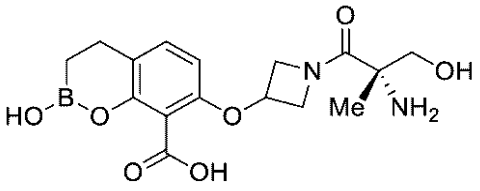
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4,4-dihydroxy-8-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



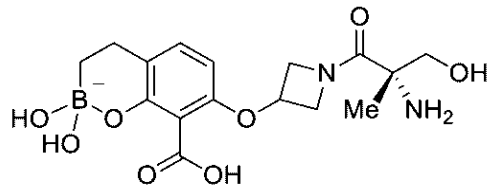
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2-hydroxy-7-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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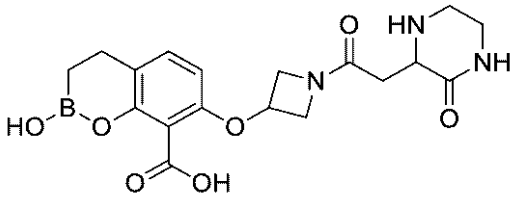
4,4-dihydroxy-8-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



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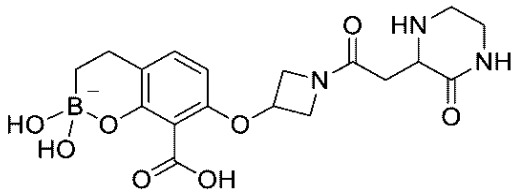
2-hydroxy-7-({1-[(3-oxopiperazin-2-yl)acetyl]azetidin-3-

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



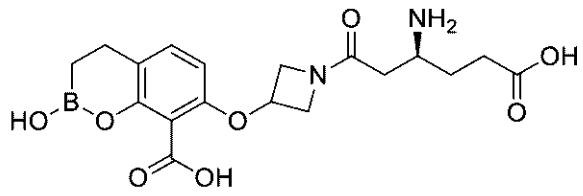
,

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



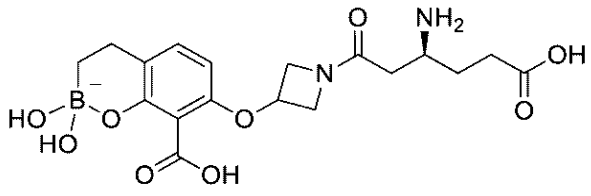
,

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



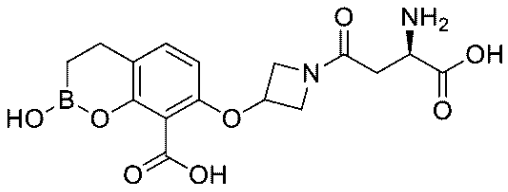
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8-({1-[(3S)-3-amino-5-carboxypentanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



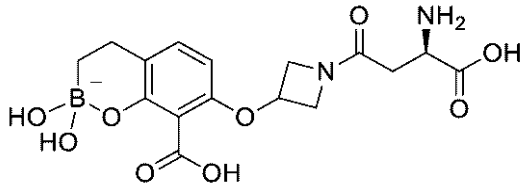
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7-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



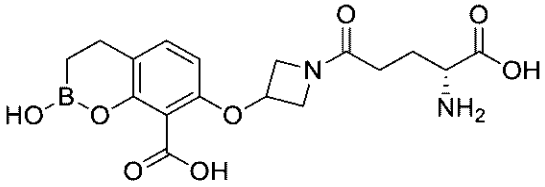
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8-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



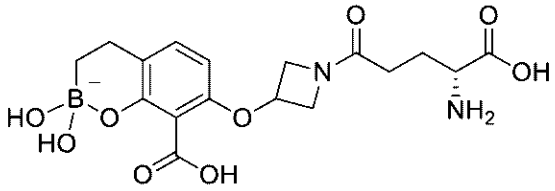
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7-({1-[(4R)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



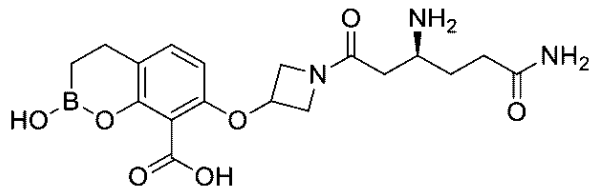
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8-({1-[(3R)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



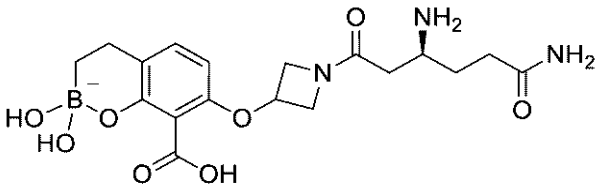
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7-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



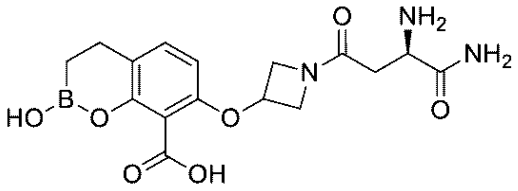
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8-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



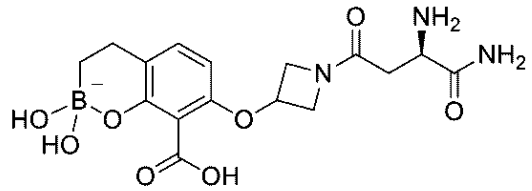
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7-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



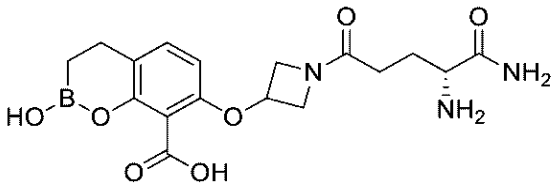
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8-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



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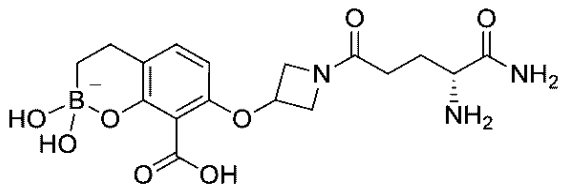
7-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



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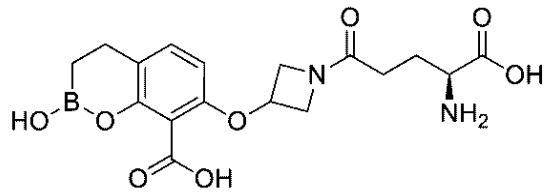
8-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-

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



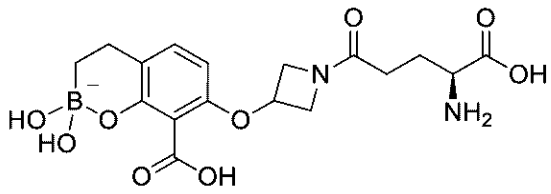
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7-({1-[(4S)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



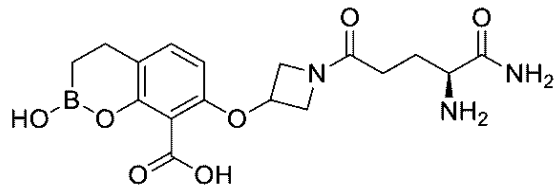
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8-({1-[(4S)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



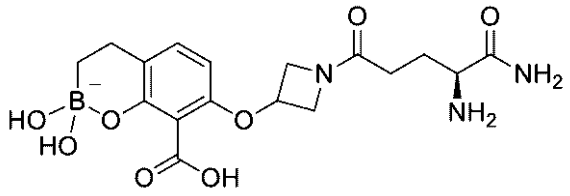
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7-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxy-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



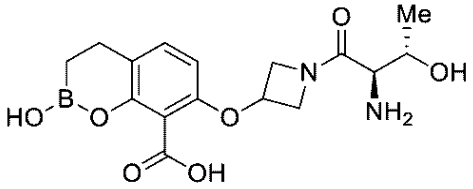
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8-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-4,4-dihydroxy-5-oxa-4-boranuidabicyclo[4.4.0]deca-1(6),7,9-triene-7-carboxylic acid



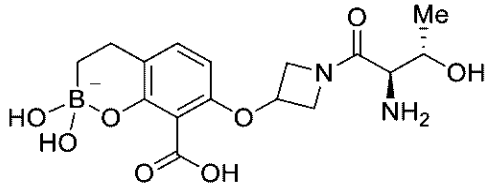
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2-hydroxy-7-[(1-D-threonylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



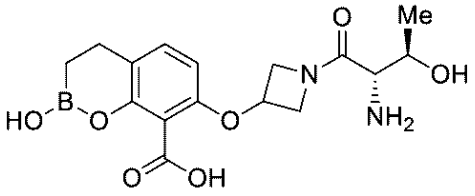
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4,4-dihydroxy-8-[(1-D-threonylazetidin-3-yl)oxy]-5-oxa-4-boranuidabicyclo[4.4.0]deca-l(6),7,9-triene-7-carboxylic acid



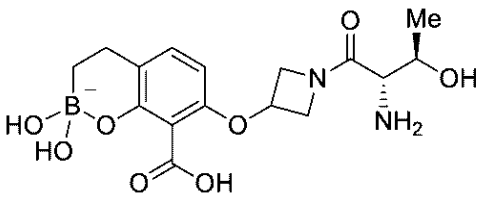
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2-hydroxy-7-[(1-L-threonylazetidin-3-yl)oxy]-3,4-dihydro-2H-1,2-benzoxaborinine-8-carboxylic acid



, or

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

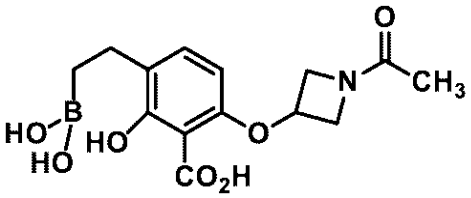


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[Claim 43]

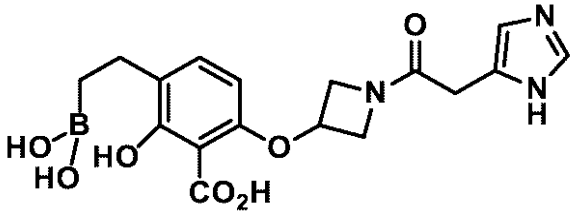
A compound or the pharmaceutically acceptable salt thereof, selected from the group consisting of the following compounds:

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



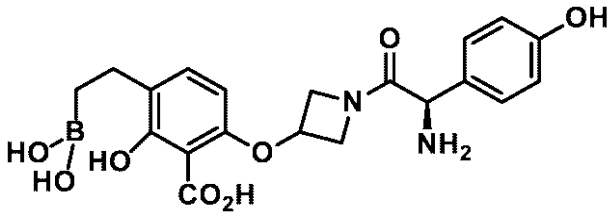
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



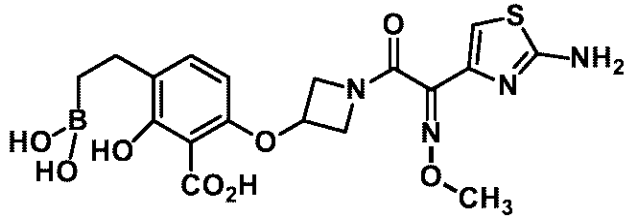
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6-({1-[(2R)-2-amino-2-(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



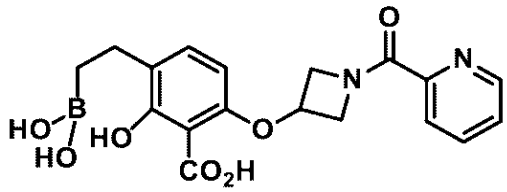
,

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



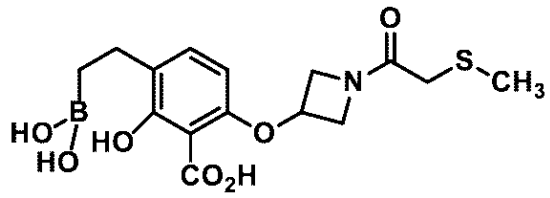
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(pyridine-2-carbonyl)azetidin-3-yl]oxy}benzoic acid



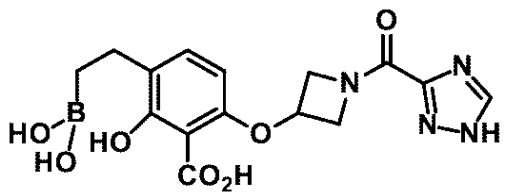
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(methylsulfanyl)acetyl]azetidin-3-yl}oxy)benzoic acid



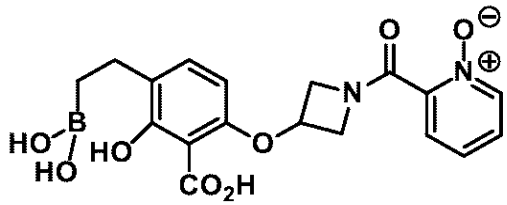
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-1,2,4-triazole-3-carbonyl)azetidin-3-yl]oxy}benzoic acid



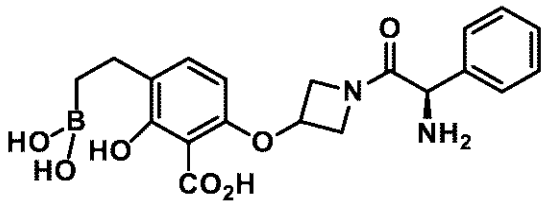
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(1-oxido-2-pyridinylcarbonyl)azetidin-3-yl]oxy}benzoic acid



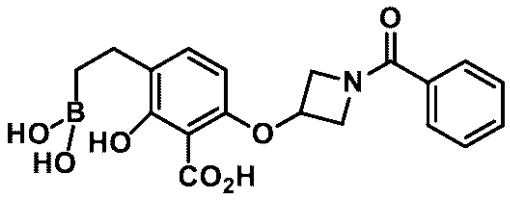
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6-({1-[(2R)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



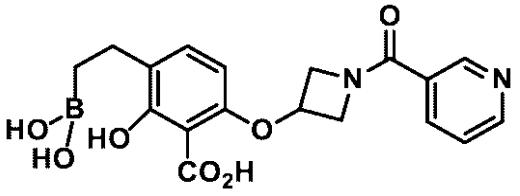
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6-[(1-benzoylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



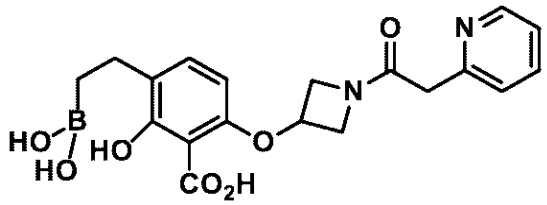
,

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



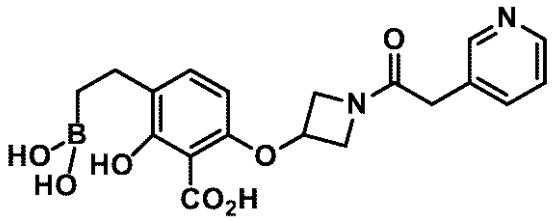
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



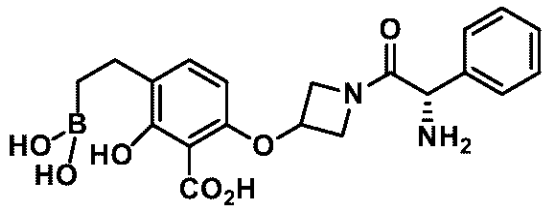
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



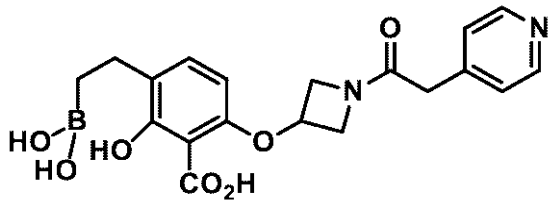
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6-({1-[(2S)-2-amino-2-phenylacetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



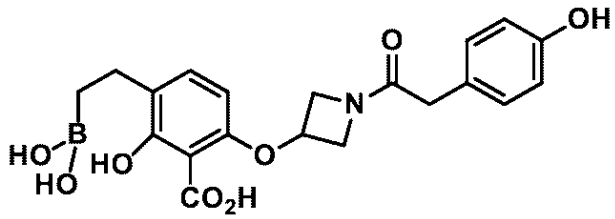
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(pyridin-4-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



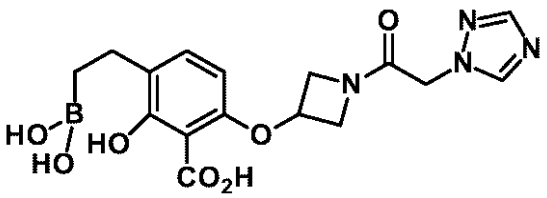
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(4-hydroxyphenyl)acetyl]azetidin-3-yl}oxy)benzoic acid



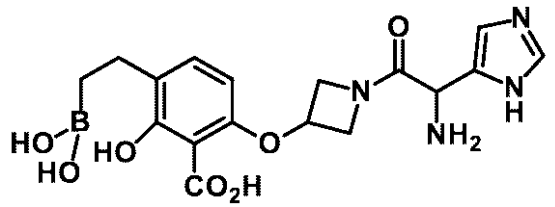
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,4-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



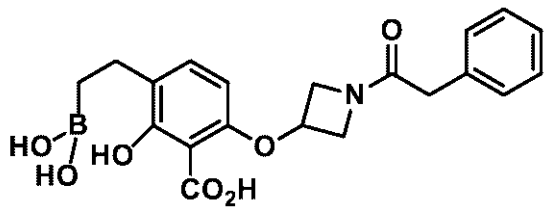
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6-({1-[amino(1H-imidazol-5-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



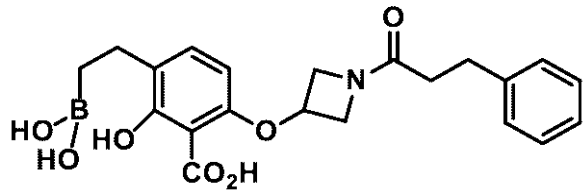
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(phenylacetyl)azetidin-3-yl]oxy}benzoic acid



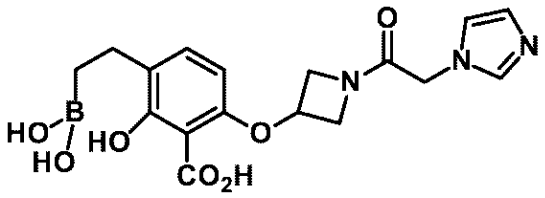
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(3-phenylpropanoyl)azetidin-3-yl]oxy}benzoic acid



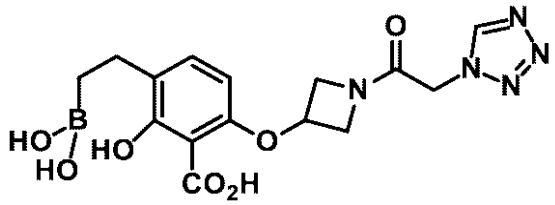
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



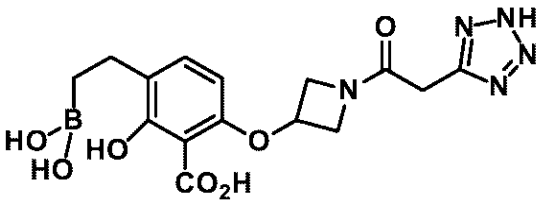
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-tetrazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



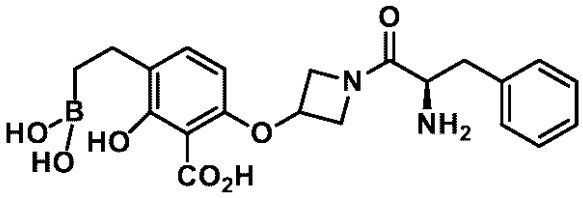
,

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



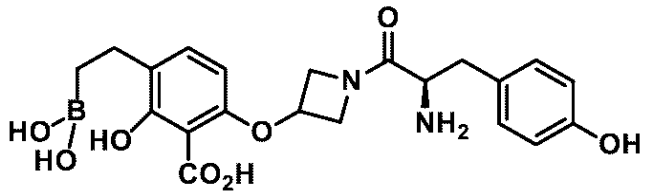
,

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



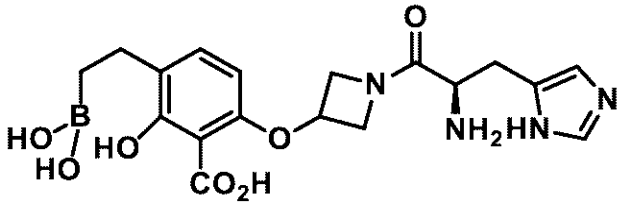
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3-(2-boronoethyl)-2-hydroxy-6-[(1-D-tyrosylazetidin-3-yl)oxy]benzoic acid



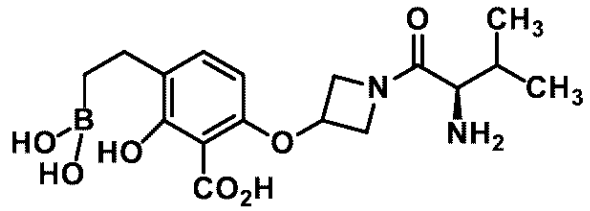
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3-(2-boronoethyl)-6-[(1-D-histidylazetidin-3-yl)oxy]-2-hydroxybenzoic acid



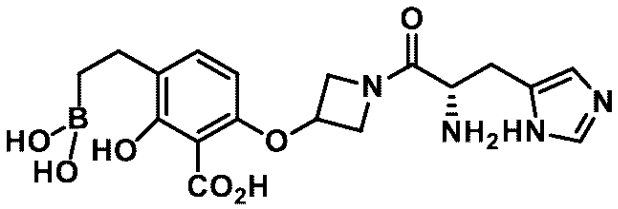
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3-(2-boronoethyl)-2-hydroxy-6-[(1-D-valylazetidin-3-yl)oxy]benzoic acid



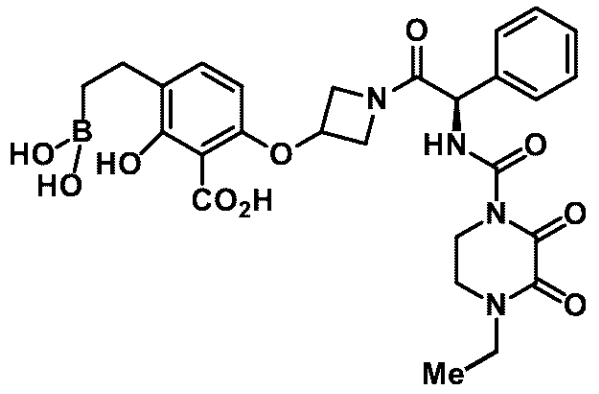
,

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



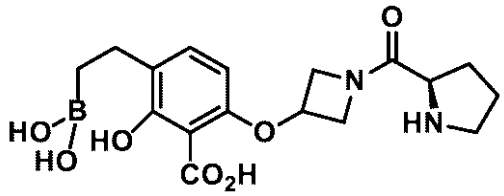
,

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



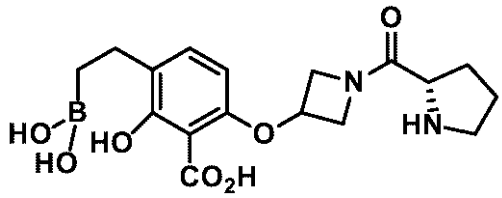
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3-(2-boronoethyl)-2-hydroxy-6-[(1-D-prolylazetidin-3-yl)oxy]benzoic acid



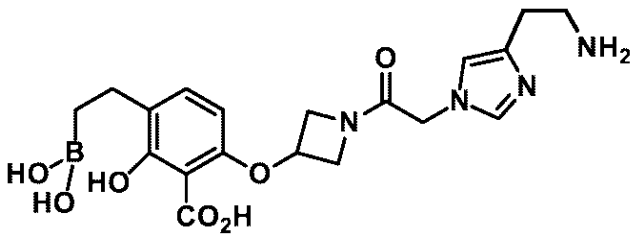
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3-(2-boronoethyl)-2-hydroxy-6-[(1-L-prolylazetidin-3-yl)oxy]benzoic acid



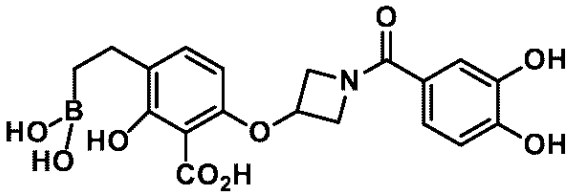
,

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



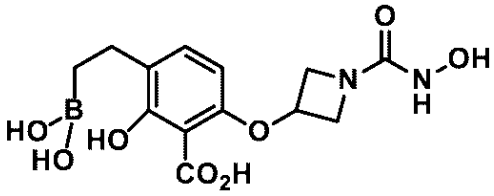
,

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



, and

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

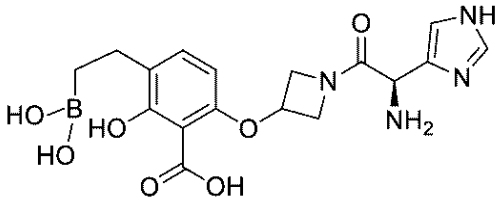


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[Claim 44]

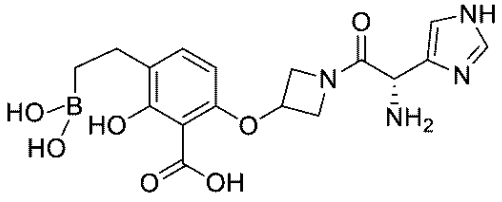
A compound or the pharmaceutically acceptable salt, selected from the group consisting of the following compounds:

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



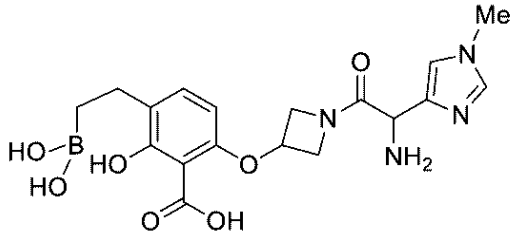
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6-({1-[(2S)-2-amino-2-(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



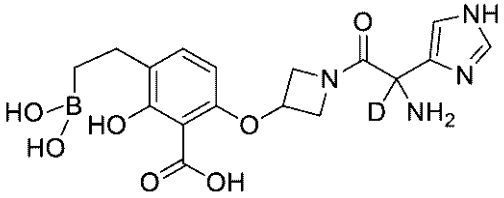
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6-({1-[amino(1-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



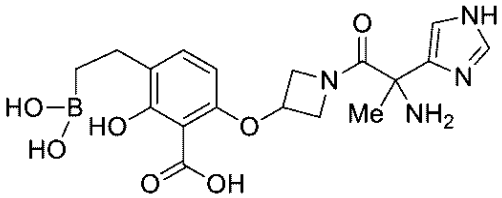
,

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



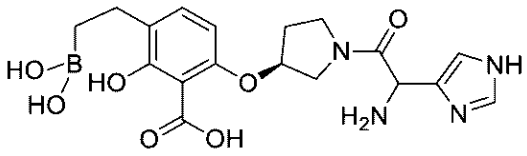
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6-({1-[2-amino-2-(1H-imidazol-4-yl)propanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



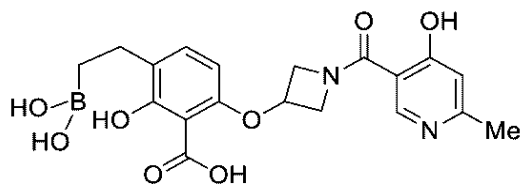
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6-({(3S)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



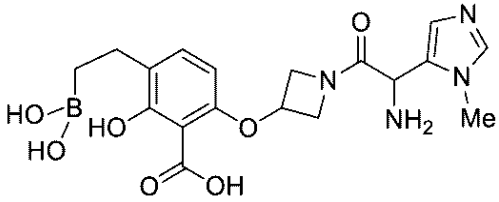
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(4-hydroxy-6-methylpyridine-3-carbonyl)azetidin-3-yl]oxy}benzoic acid



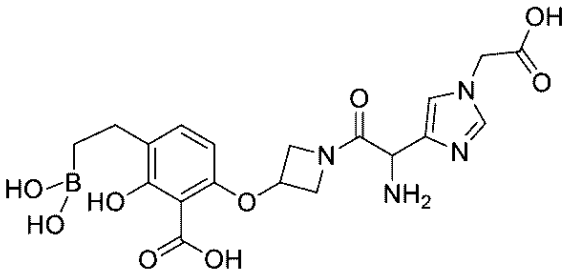
,

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



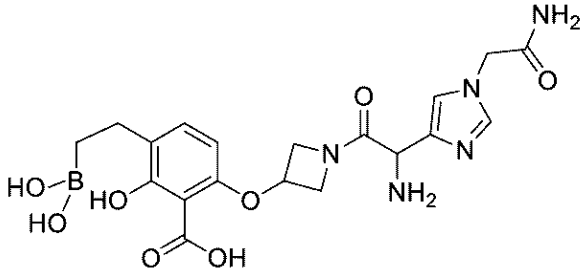
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6-[(1-{amino[1-(carboxymethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



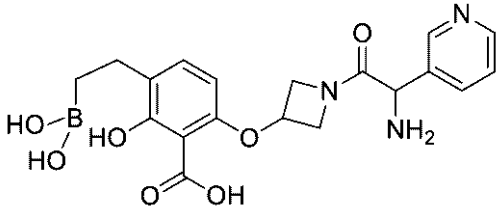
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6-[(1-{amino[1-(2-amino-2-oxoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



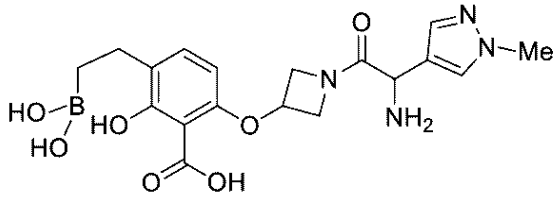
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6-({1-[amino(pyridin-3-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



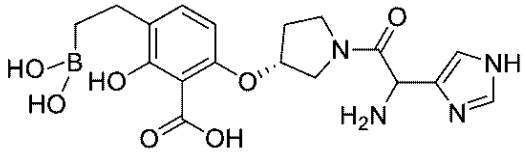
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6-({1-[amino(1-methyl-1H-pyrazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



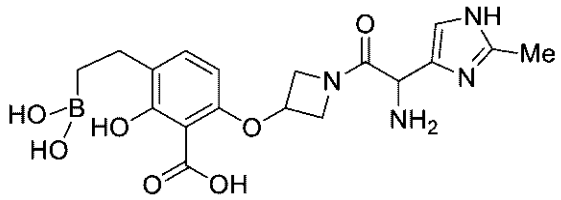
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6-({(3R)-1-[amino(1H-imidazol-4-yl)acetyl]pyrrolidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



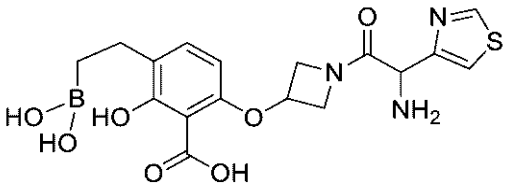
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6-({1-[amino(2-methyl-1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



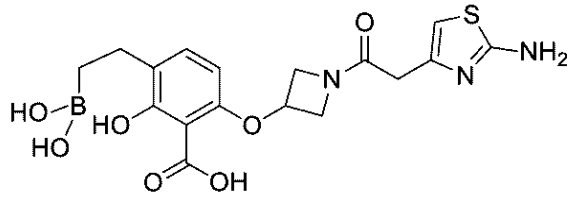
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6-({1-[amino(1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



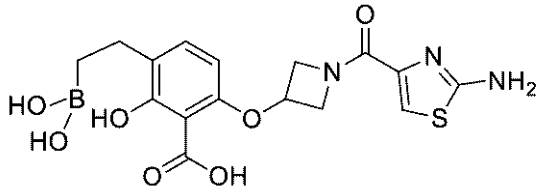
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6-({1-[(2-amino-1,3-thiazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



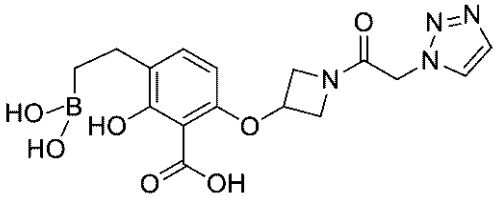
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6-{[1-(2-amino-1,3-thiazole-4-carbonyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



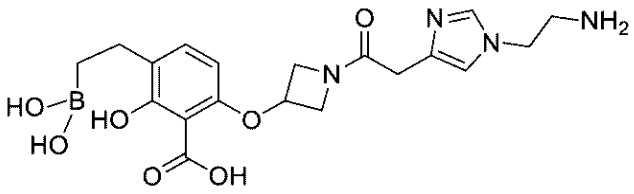
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



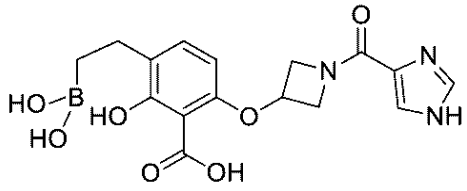
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6-[(1-{[1-(2-aminoethyl)-1H-imidazol-4-yl]acetyl}azetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



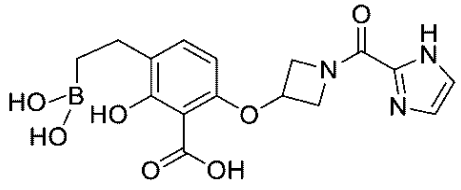
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-imidazole-4-carbonyl)azetidin-3-yl]oxy}benzoic acid



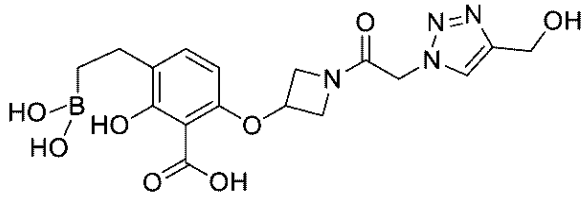
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(1H-imidazole-2-carbonyl)azetidin-3-yl]oxy}benzoic acid



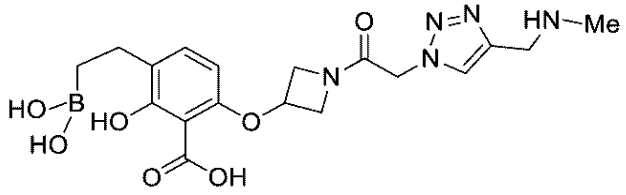
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3-(2-boronoethyl)-2-hydroxy-6-[(1-{[4-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid



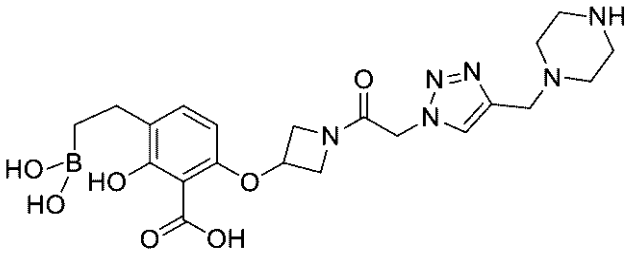
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3-(2-boronoethyl)-2-hydroxy-6-{[1-({4-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid



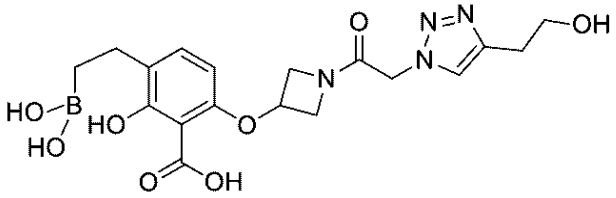
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3-(2-boronoethyl)-2-hydroxy-6-{[1-({4-[(piperazin-1-yl)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid



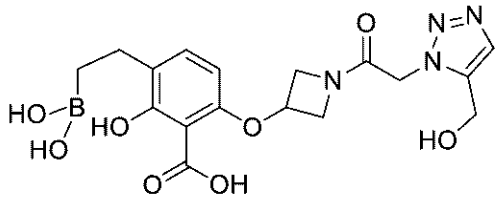
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3-(2-boronoethyl)-2-hydroxy-6-[(1-{[4-(2-hydroxyethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid



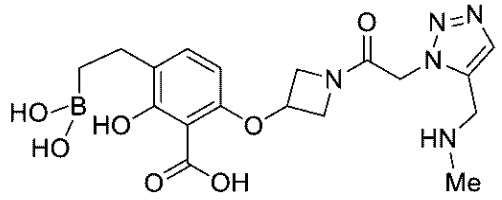
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3-(2-boronoethyl)-2-hydroxy-6-[(1-{[5-(hydroxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]benzoic acid



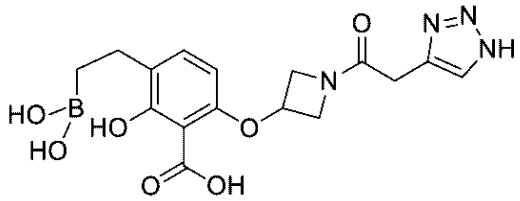
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3-(2-boronoethyl)-2-hydroxy-6-{[1-({5-[(methylamino)methyl]-1H-1,2,3-triazol-1-yl}acetyl)azetidin-3-yl]oxy}benzoic acid



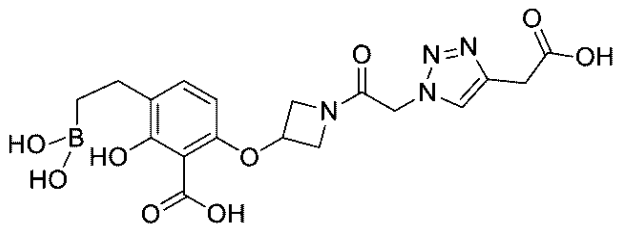
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



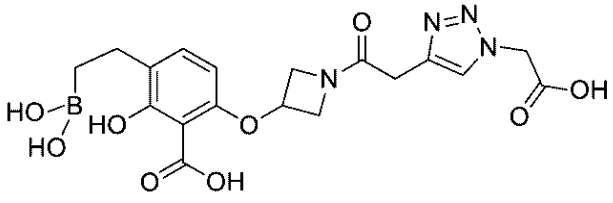
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3-(2-boronoethyl)-6-[(1-{[4-(carboxymethyl)-1H-1,2,3-triazol-1-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid



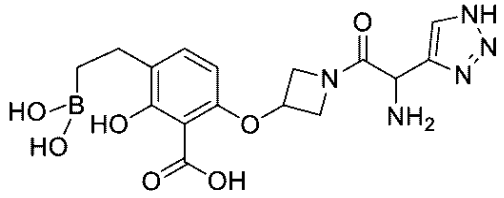
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3-(2-boronoethyl)-6-[(1-{[1-(carboxymethyl)-1H-1,2,3-triazol-4-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid



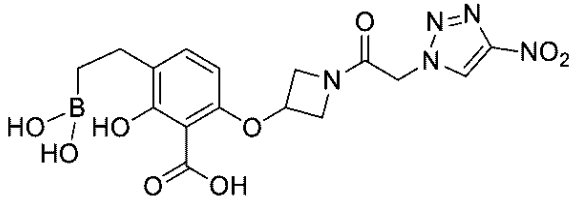
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6-({1-[amino(1H-1,2,3-triazol-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



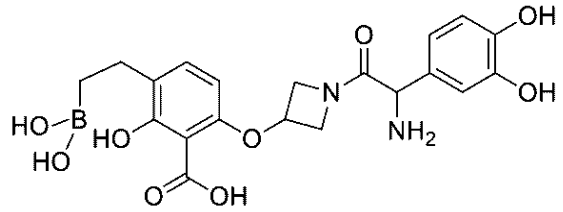
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(4-nitro-1H-1,2,3-triazol-1-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



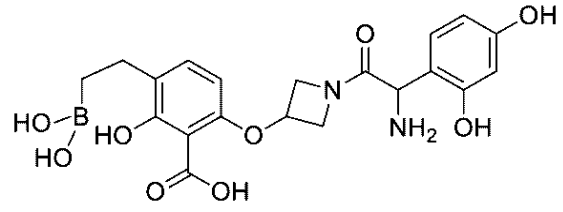
,

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



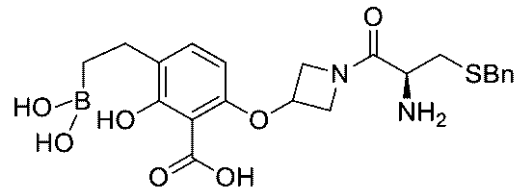
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6-({1-[amino(2,4-dihydroxyphenyl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



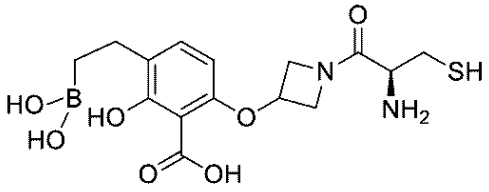
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6-{[1-(S-benzyl-D-cysteinyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



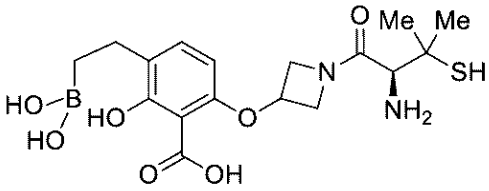
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3-(2-boronoethyl)-6-[(1-D-cysteinylazetidin-3-yl)oxy]-2-hydroxybenzoic acid



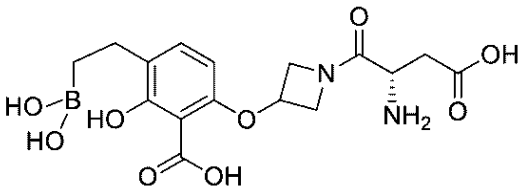
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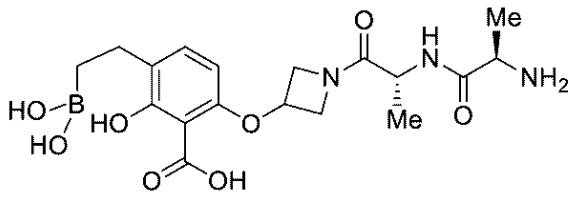
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6-({1-[(2S)-2-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



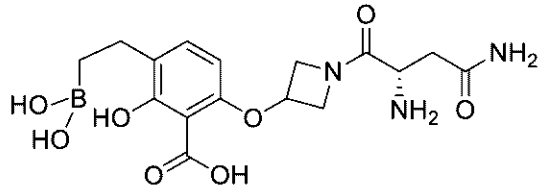
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6-{[1-(D-alanyl-D-alanyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



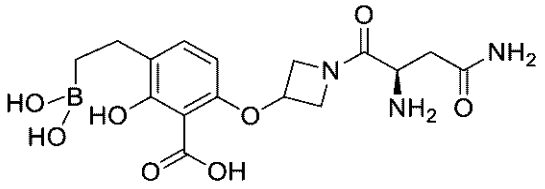
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6-[(1-L-asparaginylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



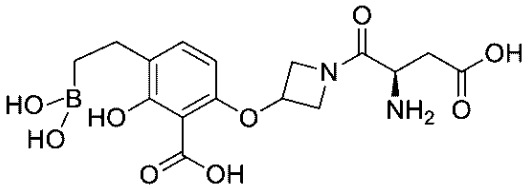
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6-[(1-D-asparaginylazetidin-3-yl)oxy]-3-(2-boronoethyl)-2-hydroxybenzoic acid



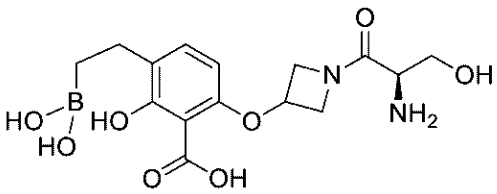
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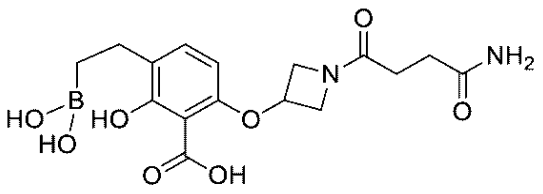
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3-(2-boronoethyl)-2-hydroxy-6-[(1-D-serylazetidin-3-yl)oxy]benzoic acid



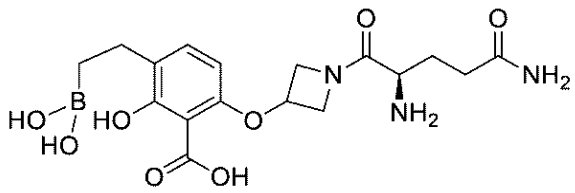
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6-{[1-(4-amino-4-oxobutanoyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



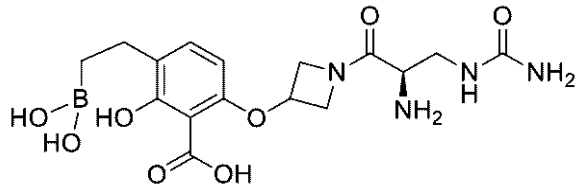
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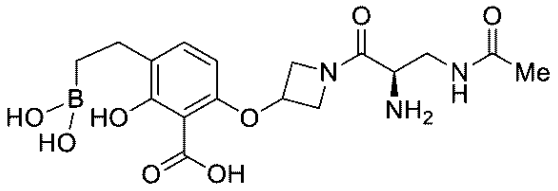
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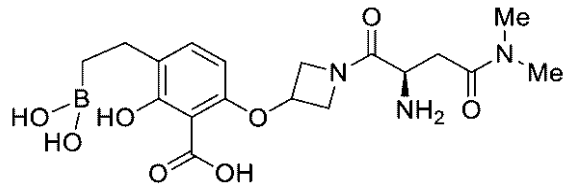
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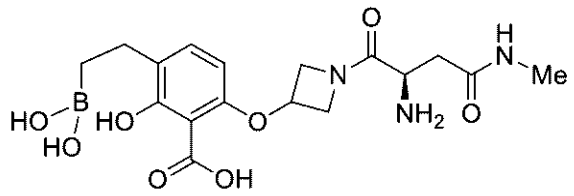
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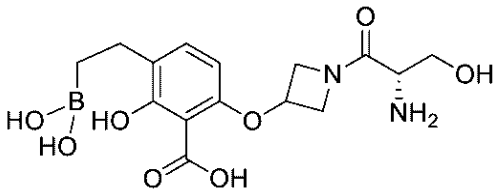
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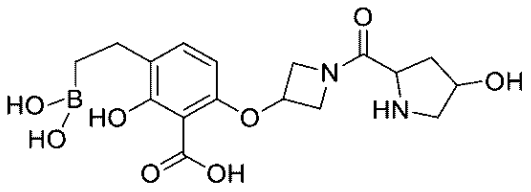
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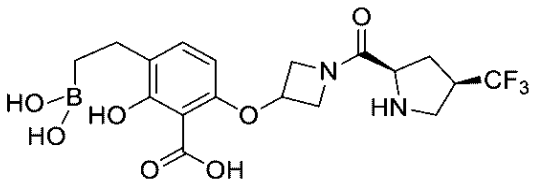
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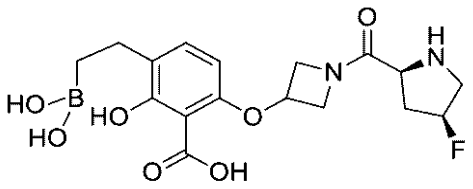
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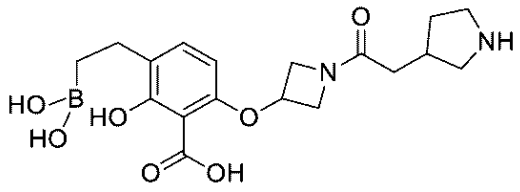
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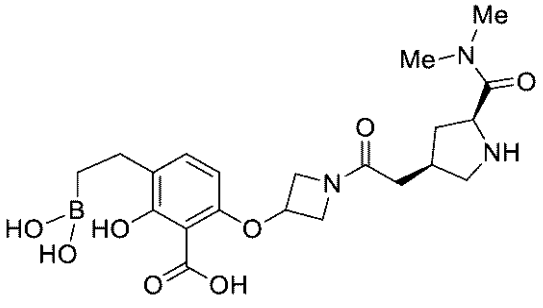
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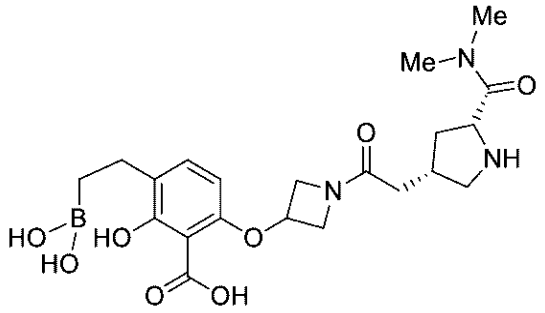
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3-(2-boronoethyl)-6-[(1-{[(3R,5S)-5-(dimethylcarbamoyl)pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]-2-hydroxybenzoic acid



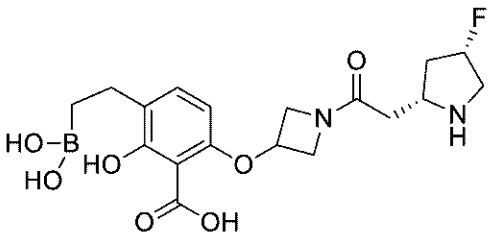
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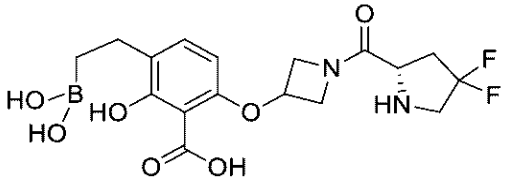
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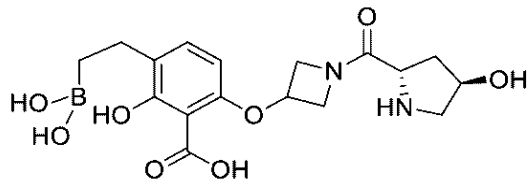
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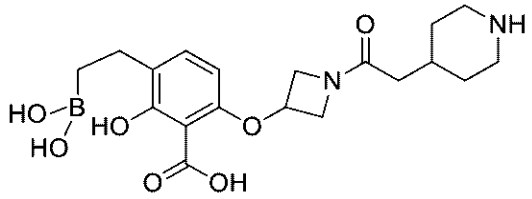
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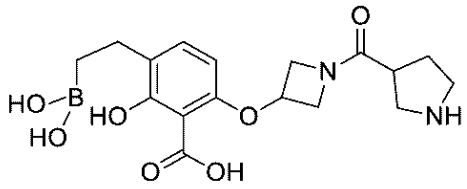
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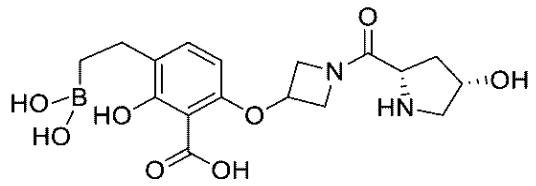
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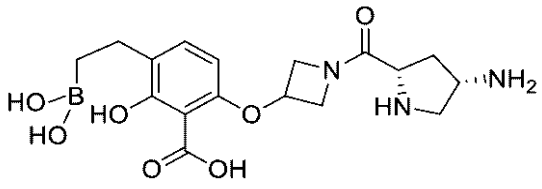
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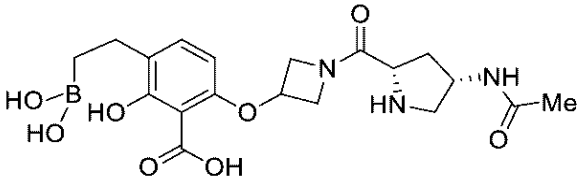
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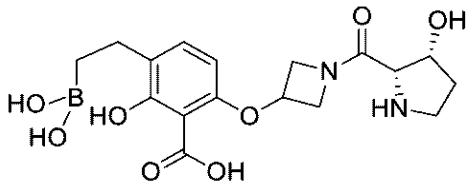
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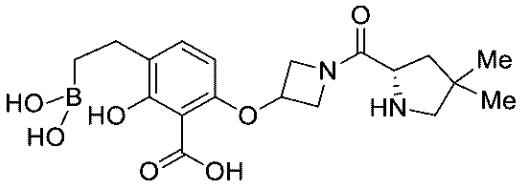
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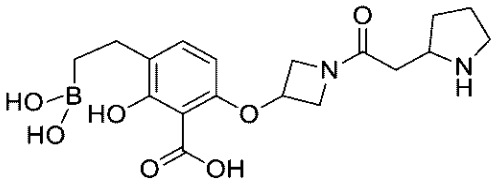
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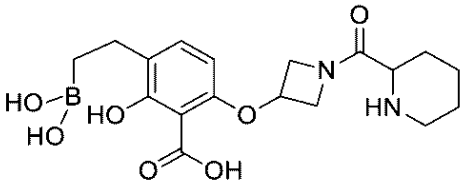
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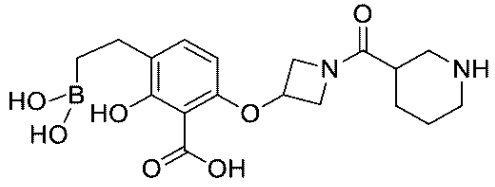
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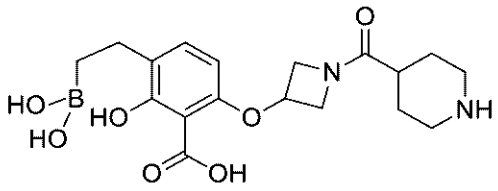
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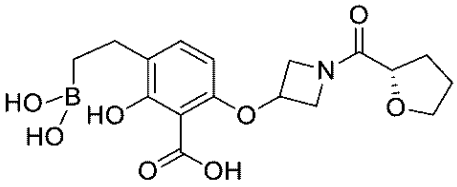
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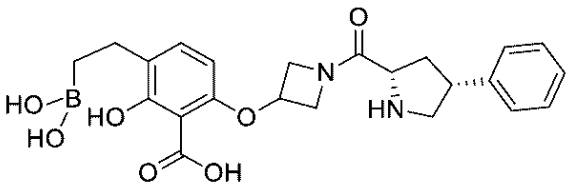
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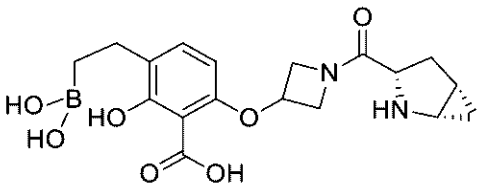
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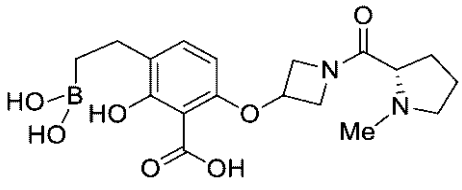
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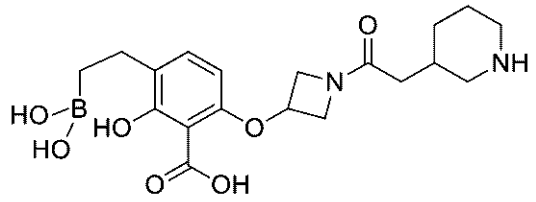
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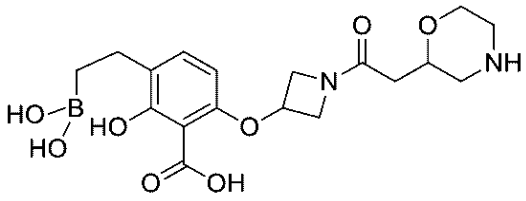
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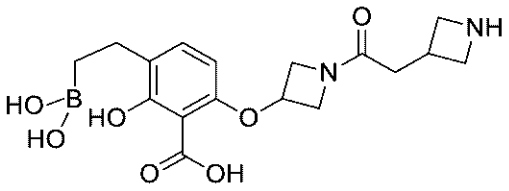
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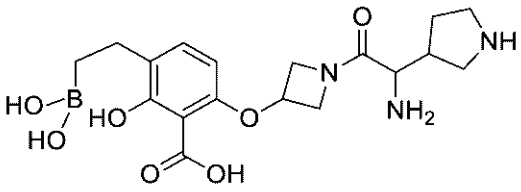
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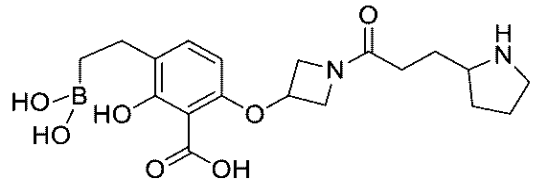
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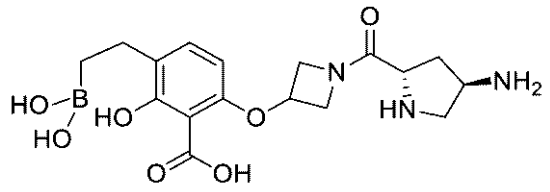
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3-(2-boronoethyl)-2-hydroxy-6-({1-[3-(pyrrolidin-2-yl)propanoyl]azetidin-3-yl}oxy)benzoic acid



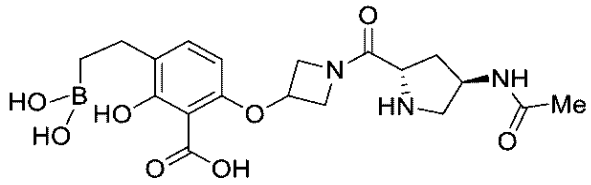
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6-({1-[(4R)-4-amino-L-prolyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



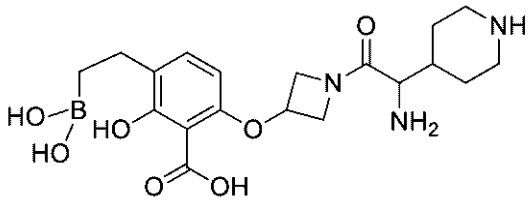
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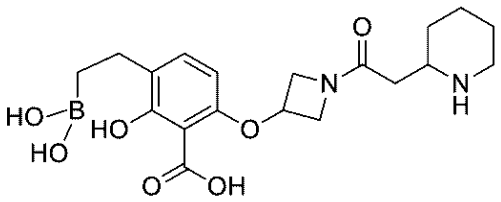
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6-({1-[amino(piperidin-4-yl)acetyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



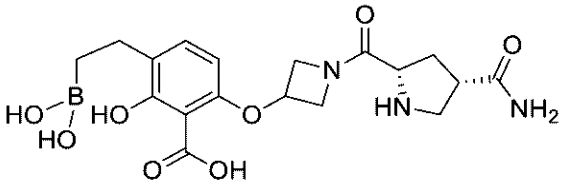
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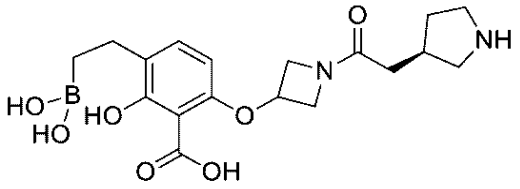
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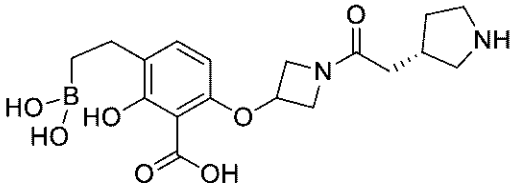
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3-(2-boronoethyl)-2-hydroxy-6-[(1-{[(3R)-pyrrolidin-3-yl]acetyl}azetidin-3-yl)oxy]benzoic acid



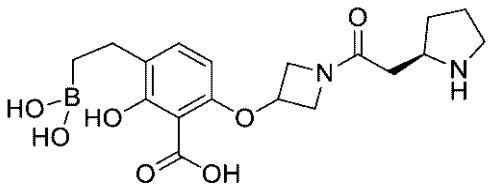
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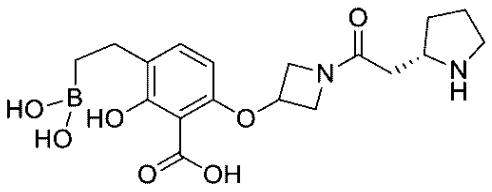
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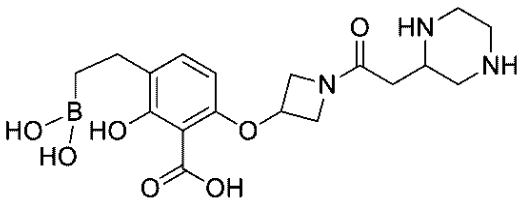
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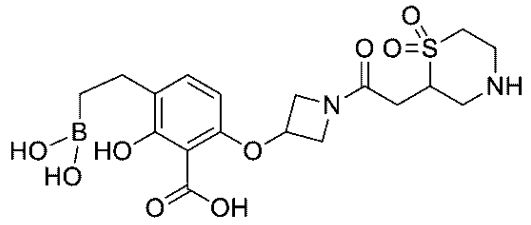
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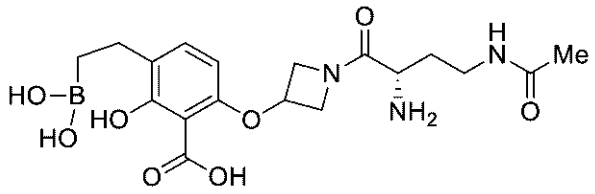
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3-(2-boronoethyl)-6-({1-[(1,1-dioxo-1λ^6-thiomorpholin-2-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid



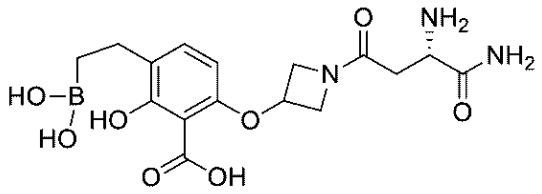
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6-({1-[(2S)-4-acetamido-2-aminobutanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



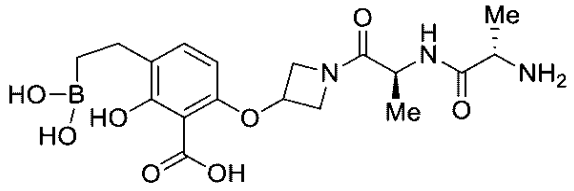
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6-{[1-(L-α-asparaginyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



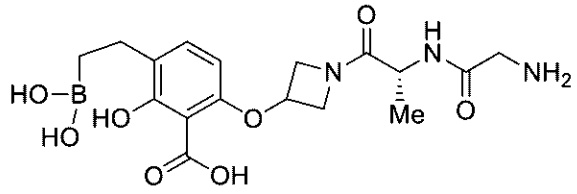
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6-{[1-(L-alanyl-L-alanyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



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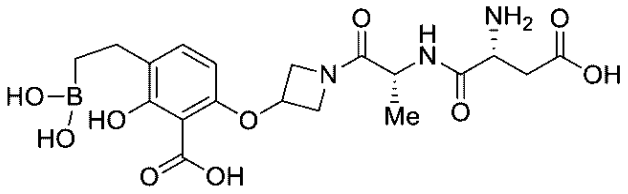
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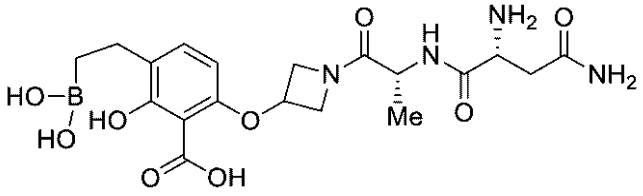
N-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-α-

asparagine



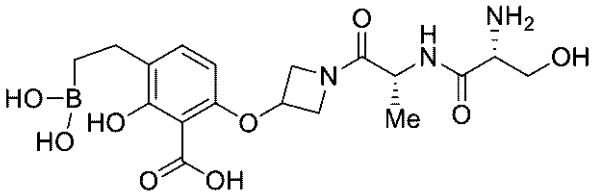
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N^1-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-aspartamide



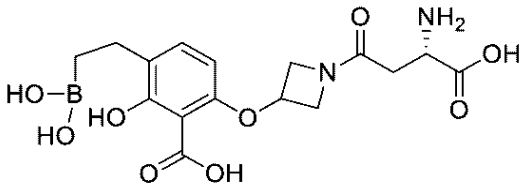
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N-[(2R)-1-{3-[4-(2-boronoethyl)-2-carboxy-3-hydroxyphenoxy]azetidin-1-yl}-1-oxopropan-2-yl]-D-serinamide



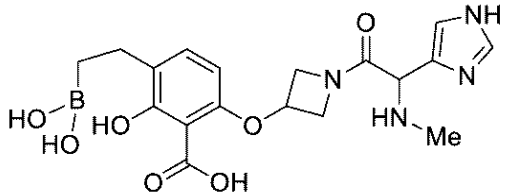
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6-({1-[(3S)-3-amino-3-carboxypropanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



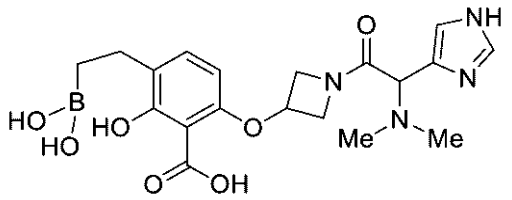
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(1H-imidazol-4-yl)(methylamino)acetyl]azetidin-3-yl}oxy)benzoic acid



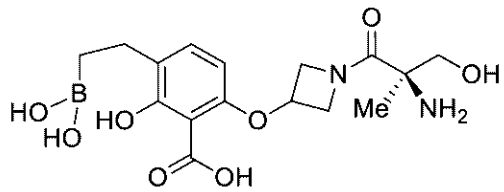
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3-(2-boronoethyl)-6-({1-[(dimethylamino)(1H-imidazol-4-yl)acetyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid



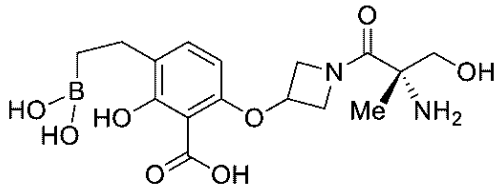
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(2-methyl-D-seryl)azetidin-3-yl]oxy}benzoic acid



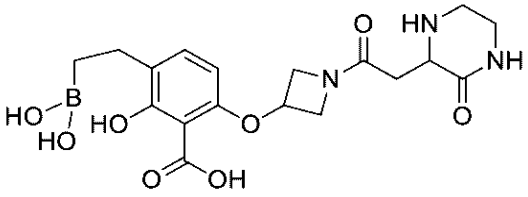
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3-(2-boronoethyl)-2-hydroxy-6-{[1-(2-methyl-L-seryl)azetidin-3-yl]oxy}benzoic acid



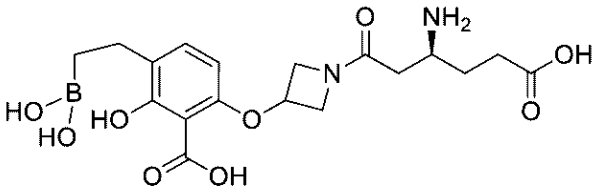
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3-(2-boronoethyl)-2-hydroxy-6-({1-[(3-oxopiperazin-2-yl)acetyl]azetidin-3-yl}oxy)benzoic acid



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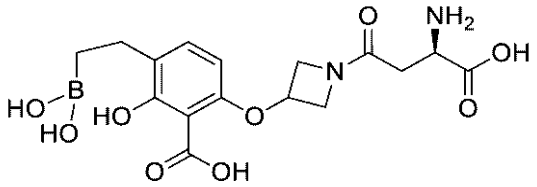
6-({1-[(3S)-3-amino-5-carboxypentanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



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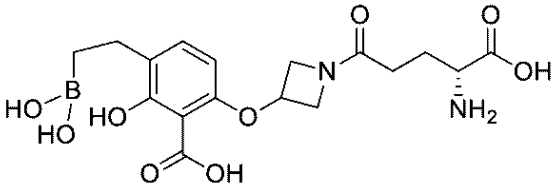
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3-(2-boronoethyl)-2-hydroxybenzoic acid



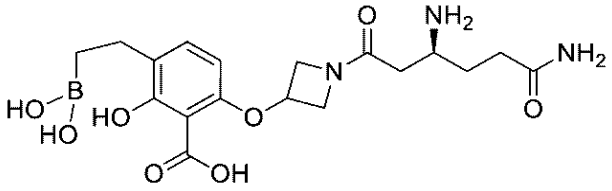
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6-({1-[(4R)-4-amino-4-carboxybutanoyl]azetidin-3-yl}oxy)-3-(2-boronoethyl)-2-hydroxybenzoic acid



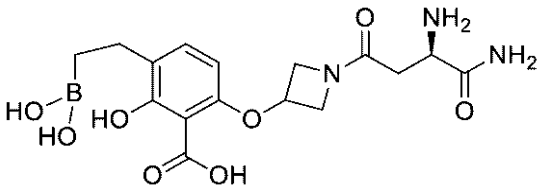
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3-(2-boronoethyl)-6-({1-[(3S)-3,6-diamino-6-oxohexanoyl]azetidin-3-yl}oxy)-2-hydroxybenzoic acid



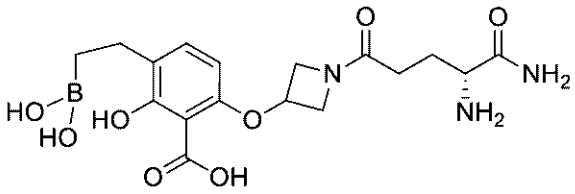
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6-{[1-(D-α-asparaginyl)azetidin-3-yl]oxy}-3-(2-boronoethyl)-2-hydroxybenzoic acid



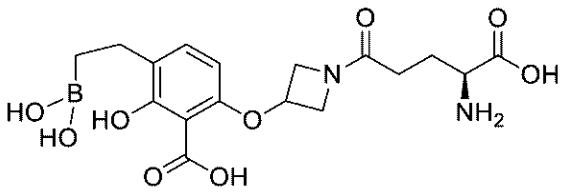
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3-(2-boronoethyl)-6-{[1-(D-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid



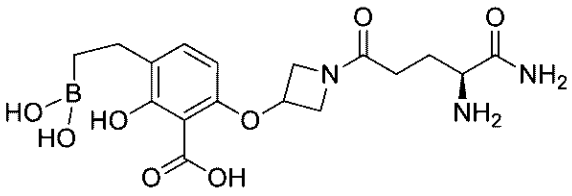
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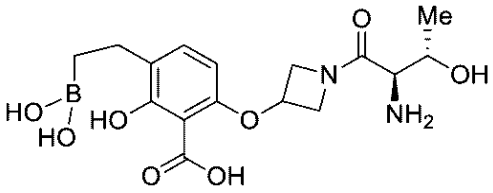
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3-(2-boronoethyl)-6-{[1-(L-α-glutaminyl)azetidin-3-yl]oxy}-2-hydroxybenzoic acid



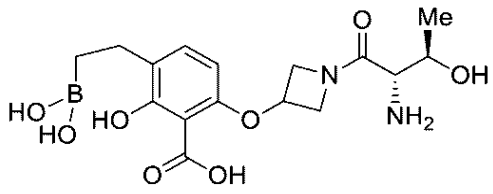
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3-(2-boronoethyl)-2-hydroxy-6-[(1-D-threonylazetidin-3-yl)oxy]benzoic acid



, and

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



.

[Claim 45]

A medicament comprising the compound or the pharmaceutically acceptable salt thereof according to claim 1.

[Claim 46]

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

[Claim 47]

A β-lactamase inhibiting agent comprising the compound

or the pharmaceutically acceptable salt thereof according to claim 1 as an active ingredient.

[Claim 48]

A pharmaceutical composition comprising the compound or the pharmaceutically acceptable salt thereof according to claim 1 and a pharmaceutically acceptable carrier.

[Claim 49]

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

[Claim 50]

The pharmaceutical composition according to claim 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 51]

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

[Claim 52]

The pharmaceutical composition according to claim 51, 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 53]

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

[Claim 54]

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

[Claim 55]

The pharmaceutical composition according to claim 48, wherein an additional agent is to be concomitantly administered.

[Claim 56]

The pharmaceutical composition according to claim 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 57]

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

[Claim 58]

The pharmaceutical composition according to claim 57, 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 59]

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

[Claim 60]

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

[Claim 61]

The compound or the pharmaceutically acceptable salt thereof according to claim 1, for treating a bacterial infection.

[Claim 62]

The compound or the pharmaceutically acceptable salt thereof according to claim 61, wherein the bacterial infection is a bacterial infection in which a bacteria that can have a β-lactamase is involved.

[Claim 63]

The compound or the pharmaceutically acceptable salt thereof according to claim 62, 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 64]

A medicament comprised of a combination of the compound or the pharmaceutically acceptable salt thereof according to claim 1 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 65]

Use of a therapeutically effective amount of the compound or the pharmaceutically acceptable salt thereof according to claim 1, in the manufacture of a medicament for treating a bacterial infection wherein the medicament is to be administered to a patient in need thereof.

[Claim 66]

The use according to claim 65, wherein the bacterial infection is a bacterial infection in which a bacteria that can have a β-lactamase is involved.

[Claim 67]

The use according to claim 66, 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 68]

The use according to claim 67, 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.