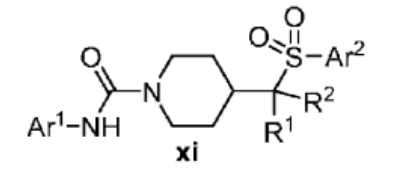
WHAT IS CLAIMED IS:

1. A method for preparing a compound of formula xi:

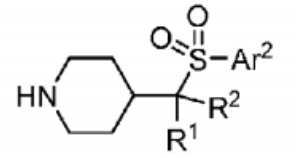


xi

or a pharmaceutically acceptable salt thereof,

the method comprising:

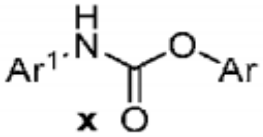
reacting a compound of formula ix



ix

or a salt thereof

with a compound of formula x



x

to produce the compound of formula xi, wherein:

Ar is aryl;

Ar^1 is a 5- to 6-membered heteroaryl having at least one nitrogen atom ring member, and is optionally substituted with from 1-3 R^a;

Ar^2 is a 5- to 10-membered aryl or heteroaryl, which is optionally substituted with from 1-5 R^b;

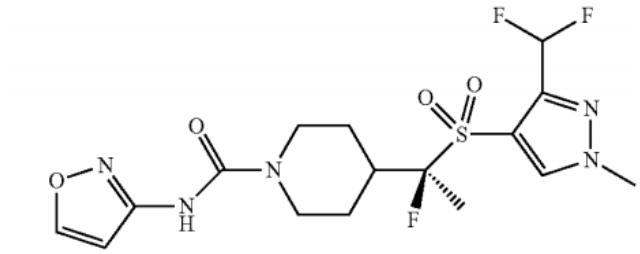
R^1 and R^2 are each independently a member selected from H, F, C_1-C_4 alkyl, C_1-C_4 deuteroalkyl, and C_1-C_4 haloalkyl; or optionally R^1 and R^2 can be combined to form a C_3-C_5 carbocyclic ring which is optionally substituted with one or two F;

each R^a is independently selected from the group consisting of halo, CN, hydroxyl, C_1-C_4 alkyl, C_1-C_4 haloalkyl, C_1-C_4 hydroxyalkyl, C_1-C_4 alkoxy, C_1-C_4 haloalkoxy, —COR^{a1}, —CO_2R^{a1}, —SO_2R^{a1}, —$SO_2NR^{a1}R^{a2}$, and —$CONR^{a1}R^{a2}$, wherein each R^{a1} and R^{a2} is independently selected from the group consisting of H and C_1-C_4 alkyl or optionally R^{a1} and R^{a2} when attached to a nitrogen atom are combined to form a 4- to 6- membered ring; or optionally,

two R^a substituents on adjacent ring members are combined to form a 5- or 6-membered ring having 0, 1 or 2 ring members selected from O, N and S;

each R^b is independently selected from the group consisting of halo, CN, hydroxyl, C_1-C_4 alkyl, C_1-C_4 deuteroalkyl, C_1-C_4 haloalkyl, C_1-C_4 alkoxy, C_1-C_4 haloalkoxy, C_3-C_6 cycloalkyl, —$NR^{b1}R^{b2}$, —COR^{b1}, —CO_2R^{b1}, —SO_2R^{b1}, —$SO_2NR^{b1}R^{b2}$, —$CONR^{b1}R^{b2}$, and a 5- or 6-membered heteroaryl which is optionally substituted with C_1-C_4 alkyl, and wherein each R^{b1} and R^{b2} is independently selected from the group consisting of H and C_1-C_4 alkyl or optionally R^{b1} and R^{b2} when attached to a nitrogen atom are combined to form a 4- to 6- membered ring; or optionally, two R^b substituents on adjacent ring members are combined to form a 5- or 6-membered ring having 0, 1 or 2 ring members selected from O, N and S.

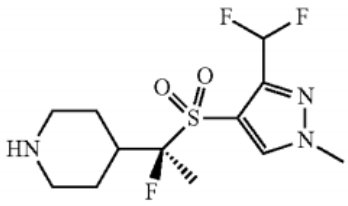
2. A method for preparing a compound having the formula:



or a pharmaceutically acceptable salt thereof,

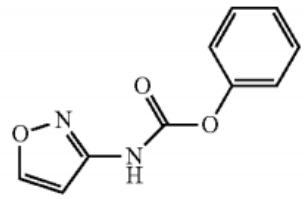
the method comprising:

reacting a compound

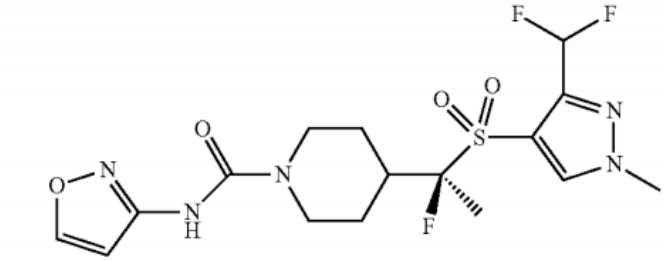


or a salt thereof,

with a compound



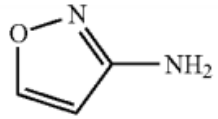
to produce the compound



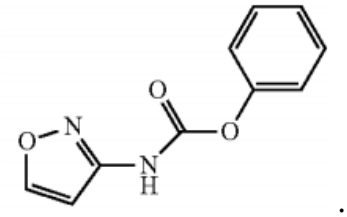
or a pharmaceutically acceptable salt thereof.

3. The method of claim 2, further comprising:

reacting a compound



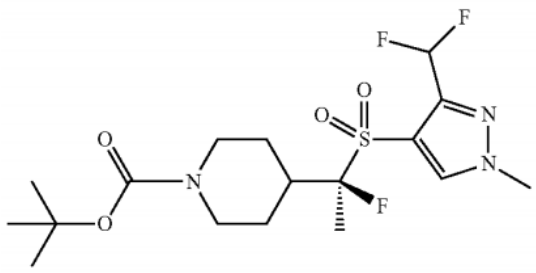
with phenyl chloroformate to produce the compound



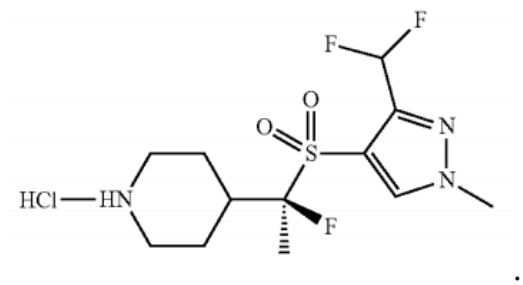
.

4. The method of claim 2, further comprising:

reacting a compound



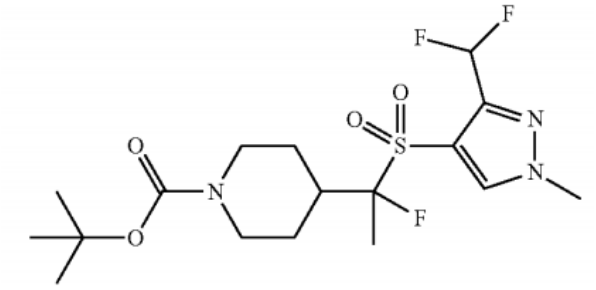
with HCl to produce the compound



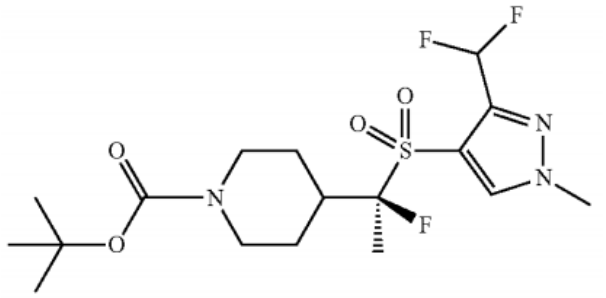
.

5. The method of claim 4, further comprising:

performing a chiral separation of a compound



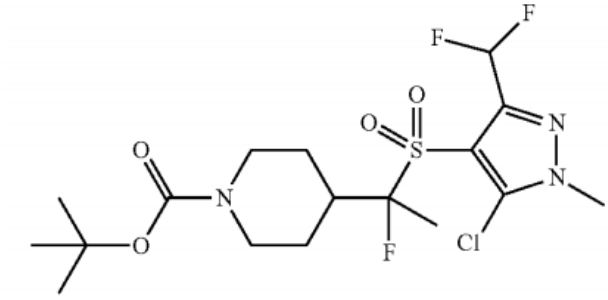
to isolate the compound



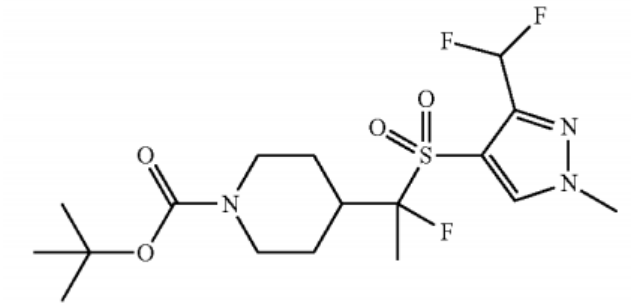
.

6. The method of claim 5, further comprising:

reacting a compound



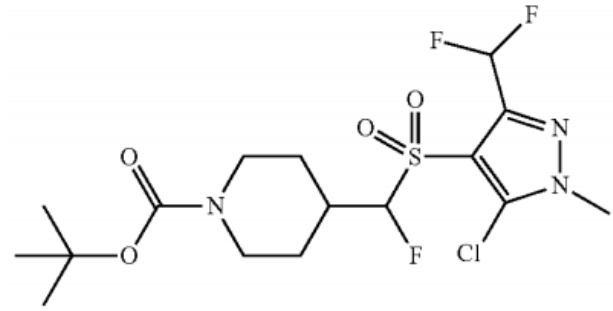
with n-Butyllithium to produce the compound



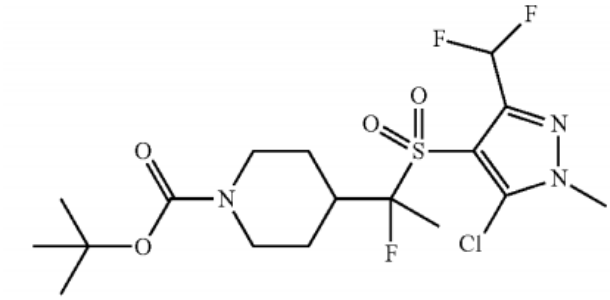
.

7. The method of claim 6, further comprising:

reacting a compound



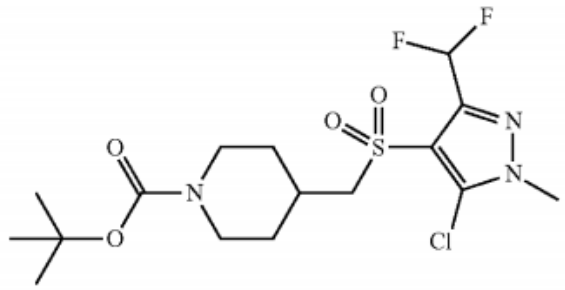
with iodomethane to produce the compound



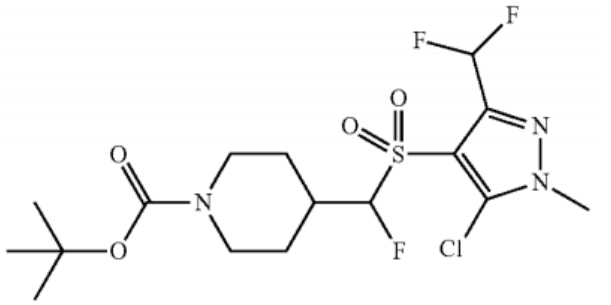
.

8. The method of claim 7, further comprising:

reacting a compound



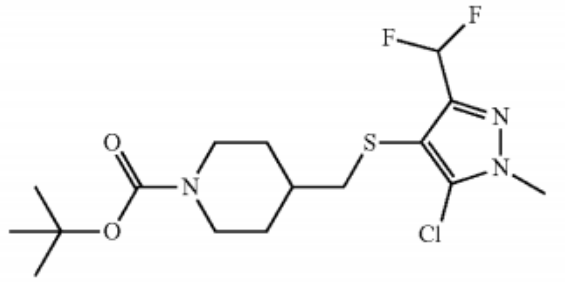
with lithium diisopropylamide (LDA) followed by N-Fluorobenzenesulfonimide (NFSI) to produce the compound



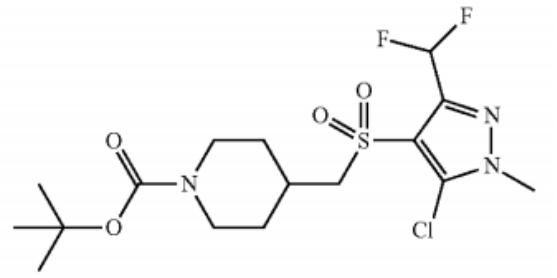
.

9. The method of claim 8, further comprising:

reacting a compound



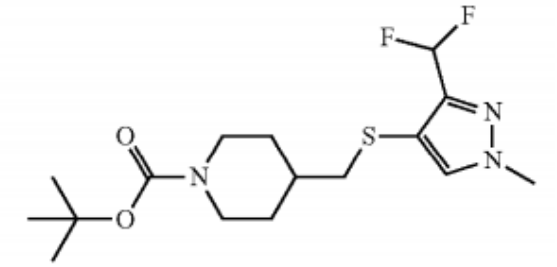
with sodium periodate to produce the compound



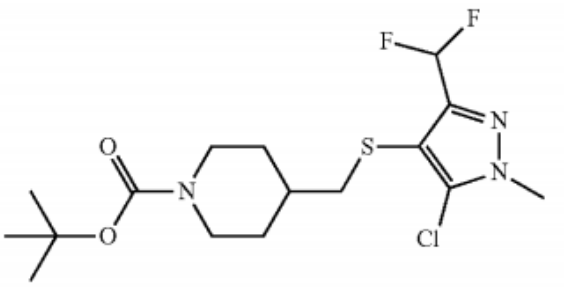
.

10. The method of claim 9, further comprising:

reacting a compound



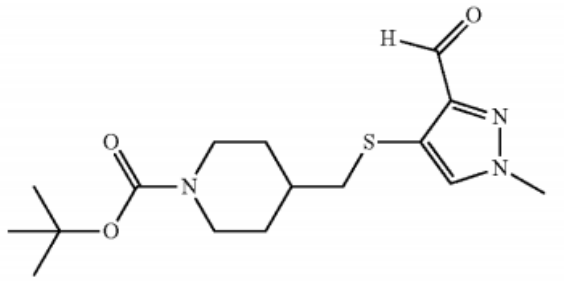
with N-butyllithium and perchloroethane to produce the compound



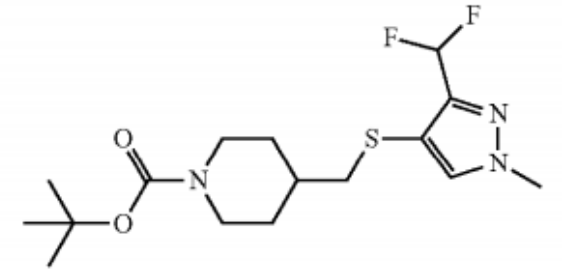
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11. The method of claim 10, further comprising:

reacting a compound



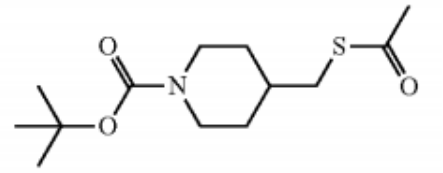
with diethylaminosulfur trifluoride (DAST) to produce the compound



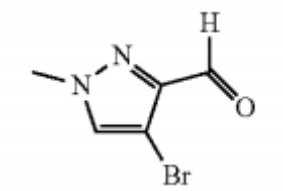
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12. The method of claim 11, further comprising:

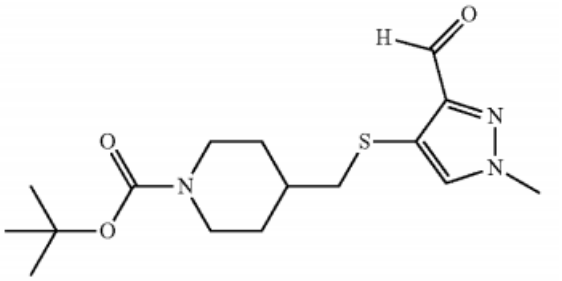
reacting a compound



with a compound



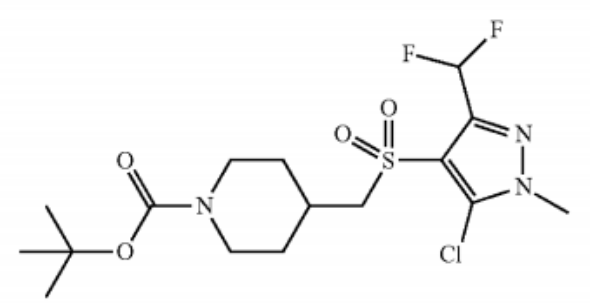
to produce the compound



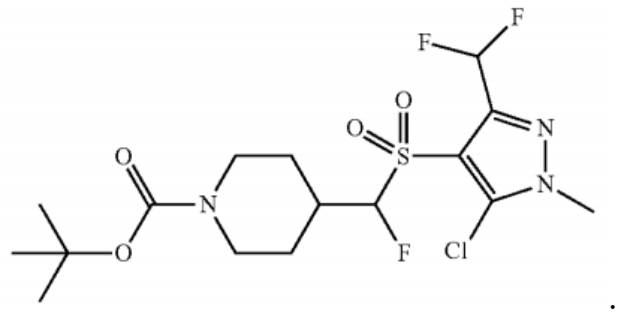
.

13. The method of claim 2, further comprising:

reacting a compound

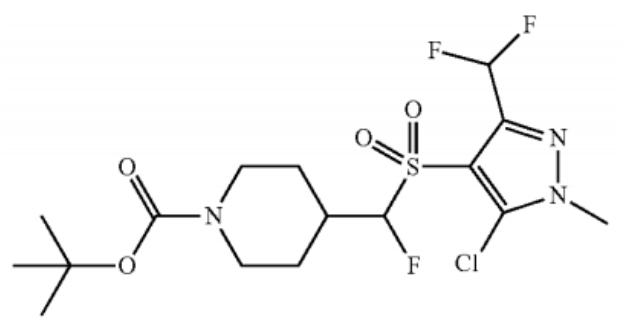


with lithium diisopropylamide (LDA) followed by N-Fluorobenzenesulfonimide (NFSI) to produce a compound

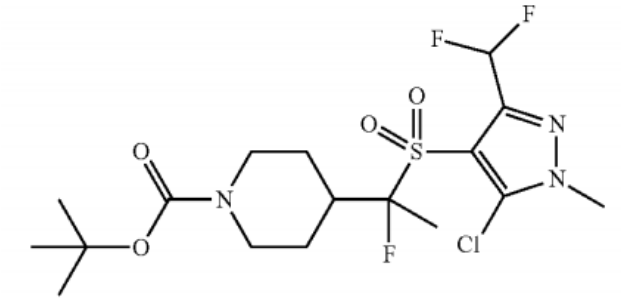


;

reacting the compound

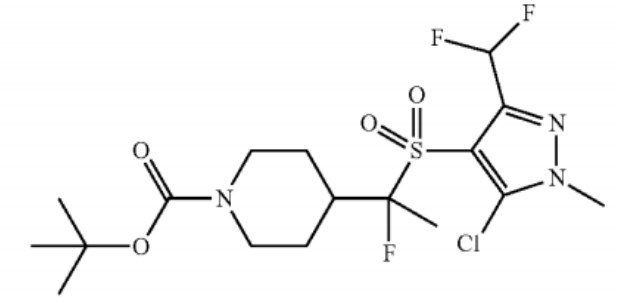


with iodomethane to produce a compound

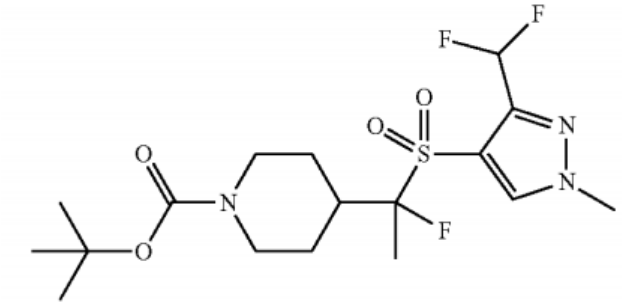


;

reacting the compound

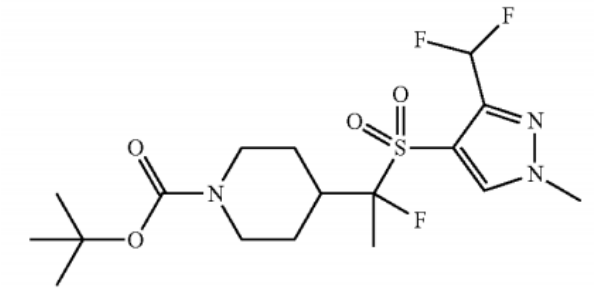


with n-Butyllithium to produce a compound

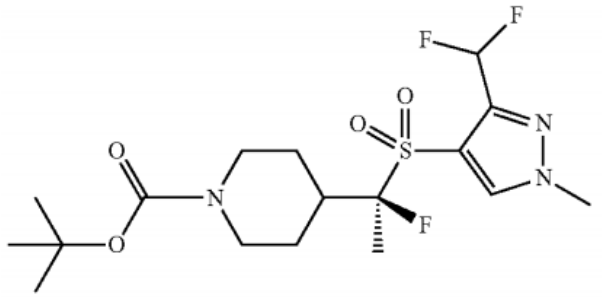


;

performing a chiral separation of the compound

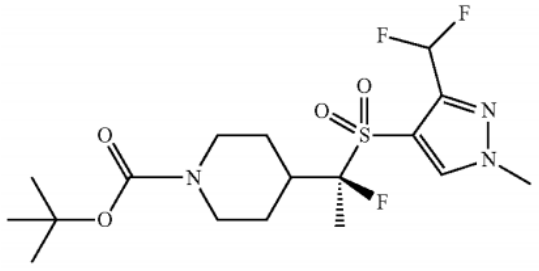


to isolate a compound

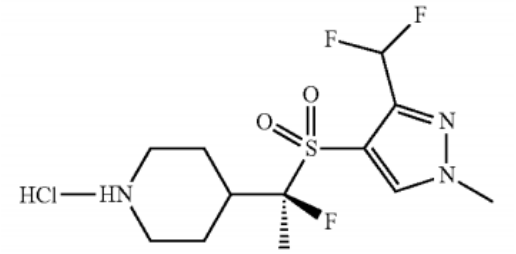


; and

reacting the compound



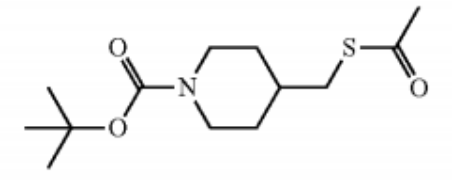
with HCl to produce a compound



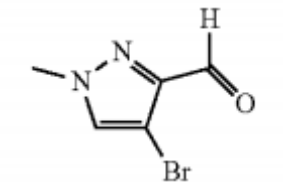
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14. The method of claim 13, further comprising:

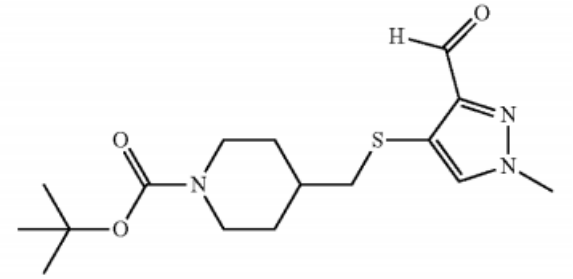
reacting a compound



with a compound

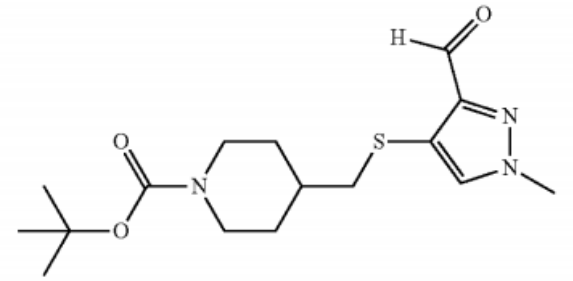


to produce a compound

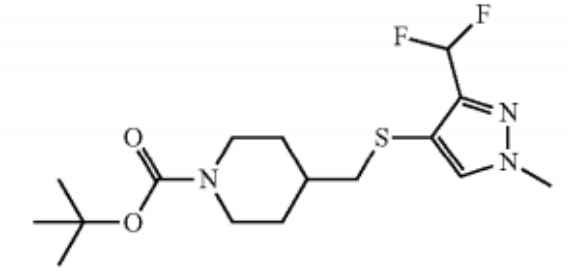


;

reacting the compound

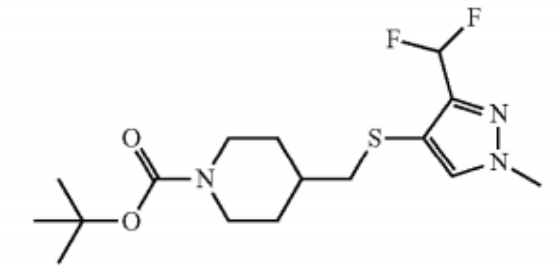


with diethylaminosulfur trifluoride (DAST) to produce a compound

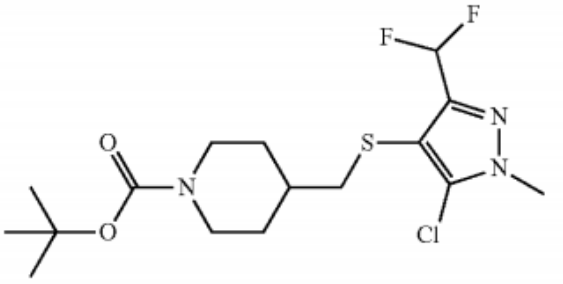


;

reacting the compound

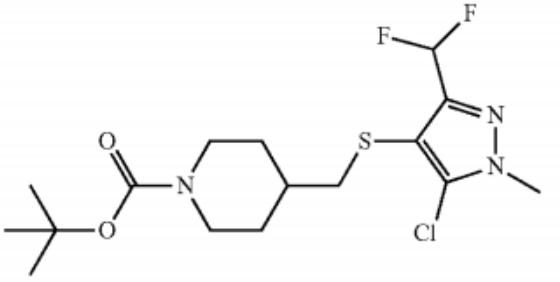


with N-butyllithium and perchloroethane to produce the compound

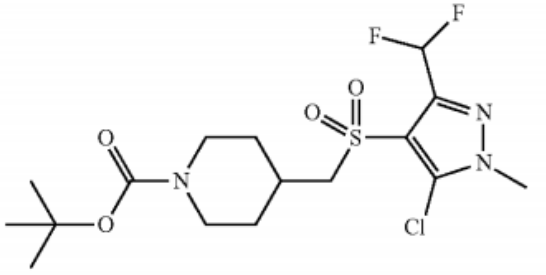


; and

reacting the compound

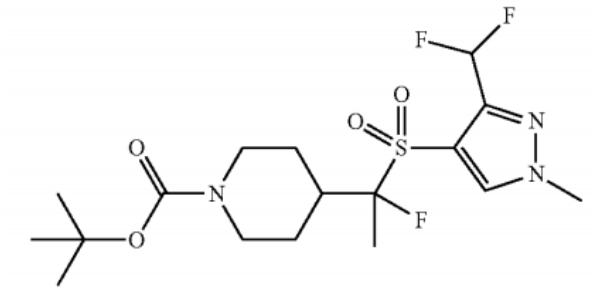


with sodium periodate to produce the compound



.

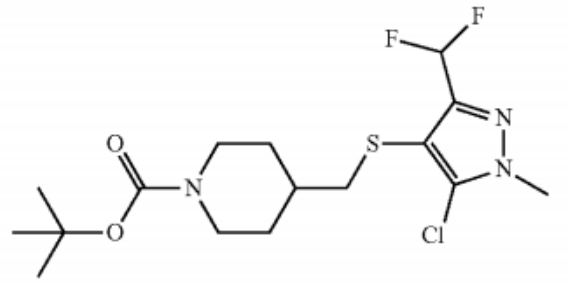
15. A method for preparing a compound having the formula:



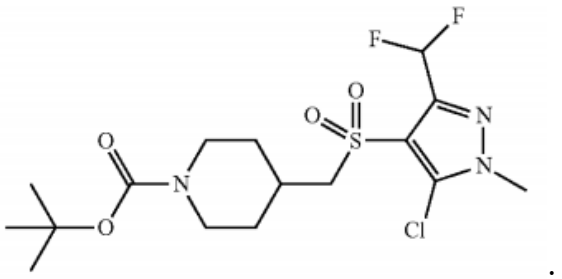
,

the method comprising:

reacting a compound

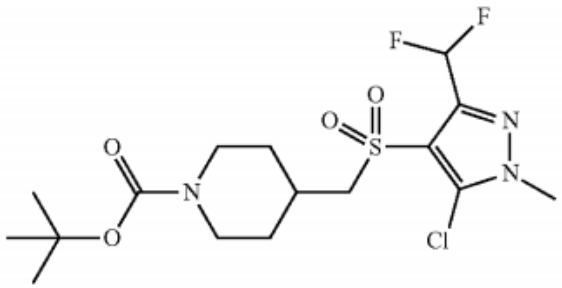


with sodium periodate to produce a compound

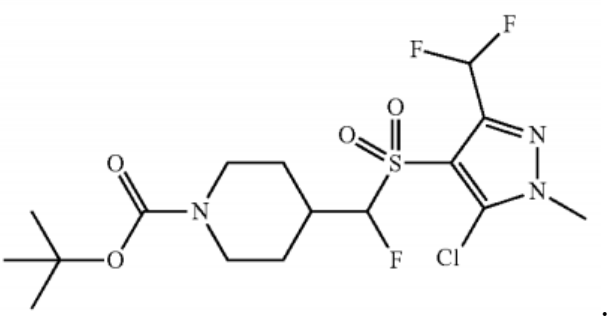


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reacting the compound

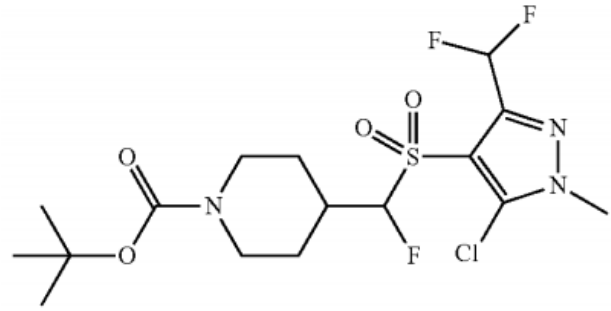


with lithium diisopropylamide (LDA) followed by N-Fluorobenzenesulfonimide (NFSI) to produce a compound

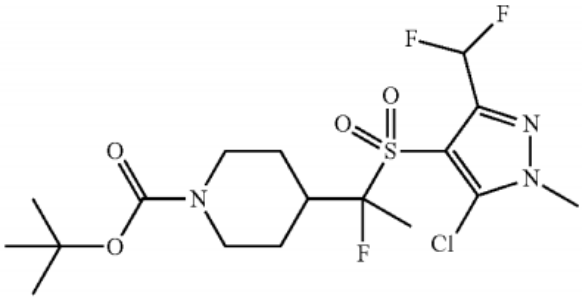


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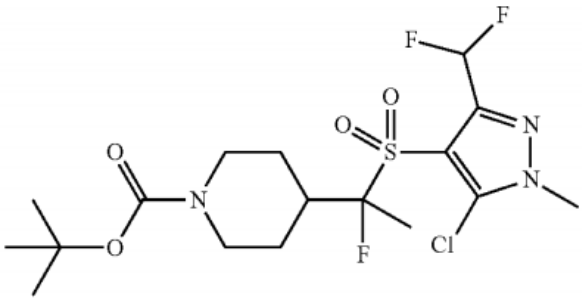


with iodomethane to produce a compound

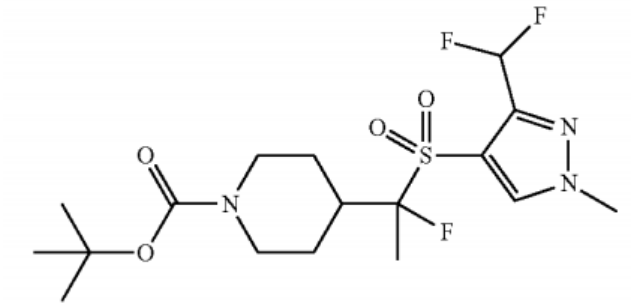


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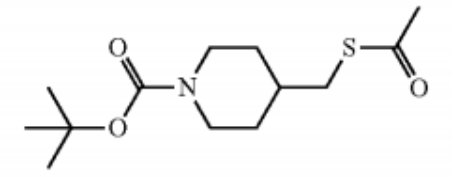
with n-Butyllithium to produce the compound



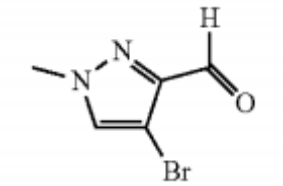
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16. The method of claim 15, further comprising:

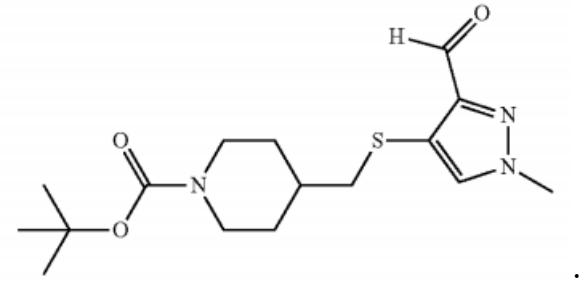
reacting a compound



with a compound

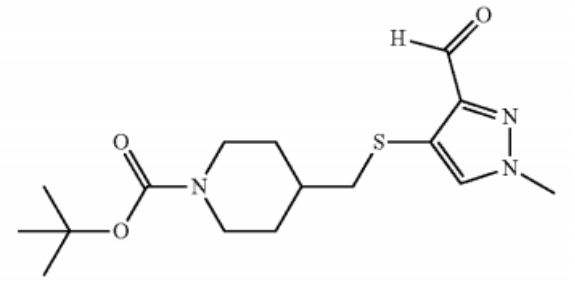


to produce a compound

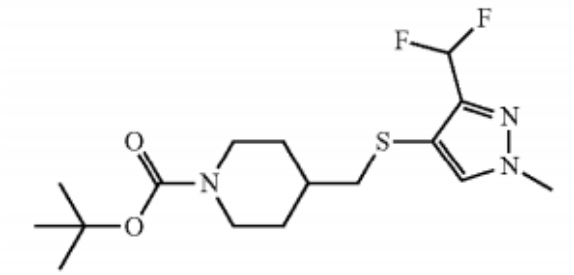


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reacting the compound

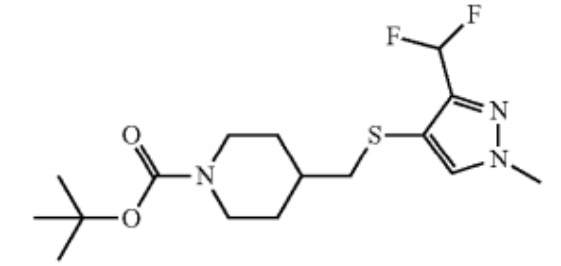


with diethylaminosulfur trifluoride (DAST) to produce a compound

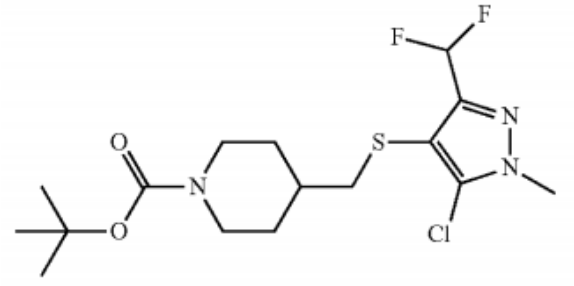


; and

reacting the compound

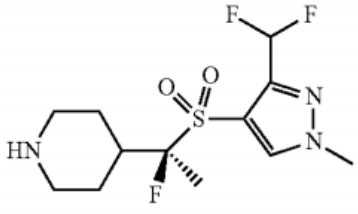


with N-butyllithium and perchloroethane to produce the compound

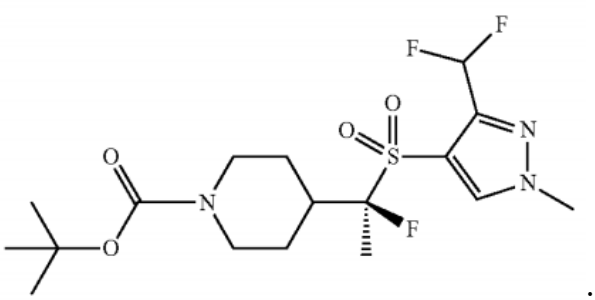


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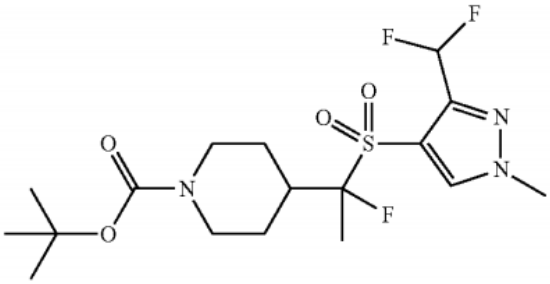
17. A compound or a salt thereof selected from the group consisting of:



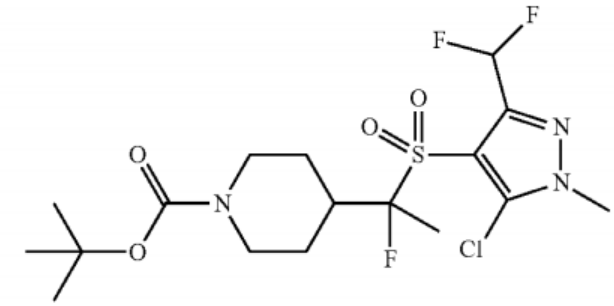
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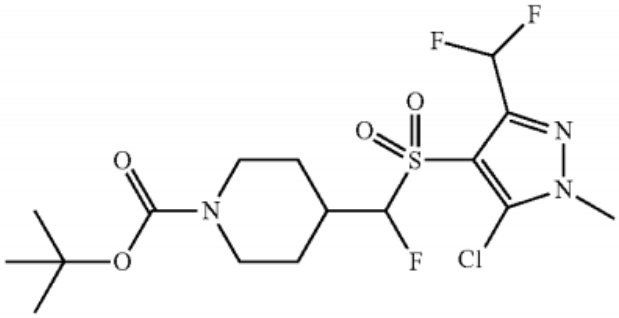
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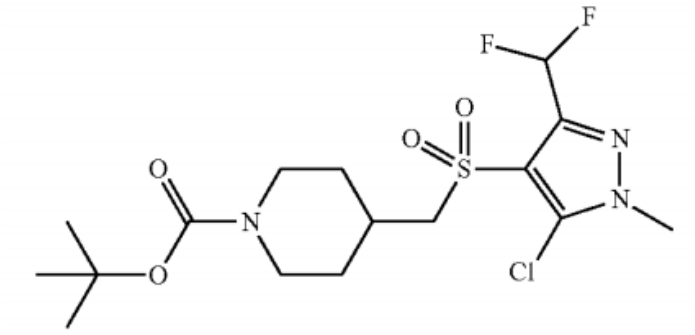
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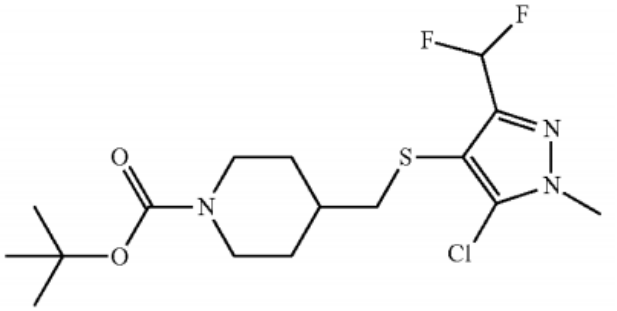
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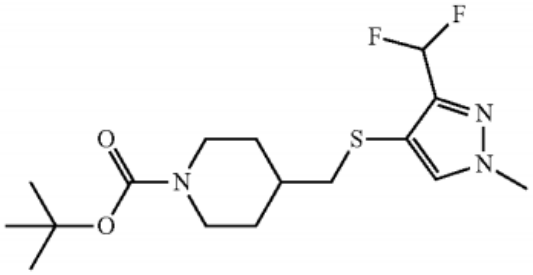
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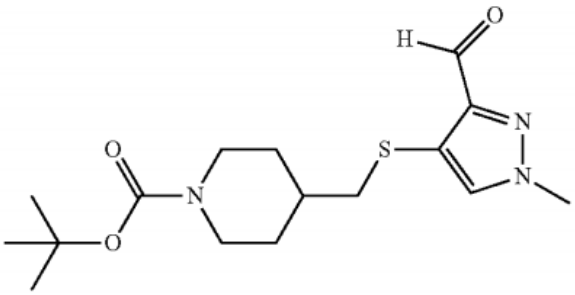
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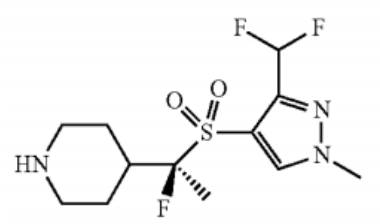


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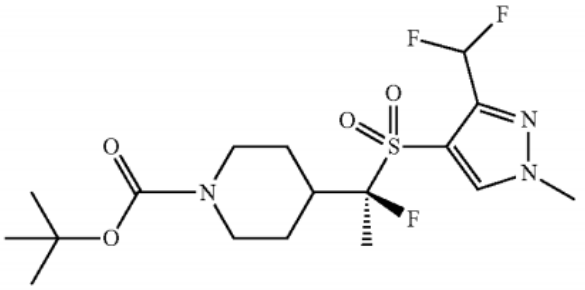
or a salt thereof.

18. The compound of claim 17, which is

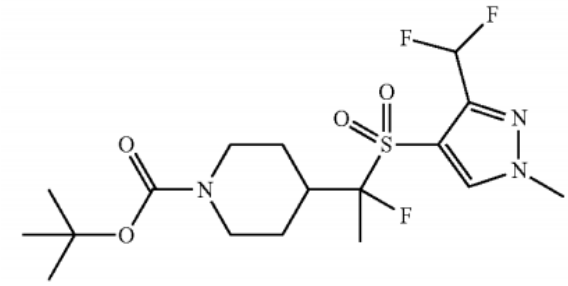


or a salt thereof.

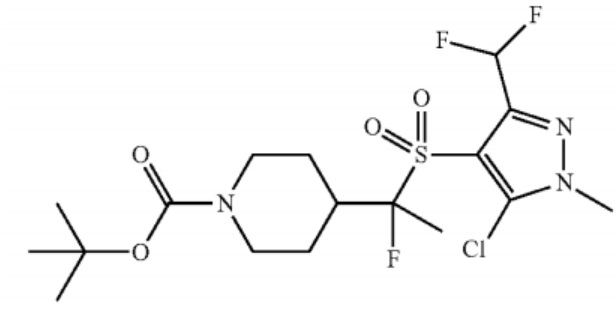
19. The compound of claim 17, which is selected from the group consisting of:



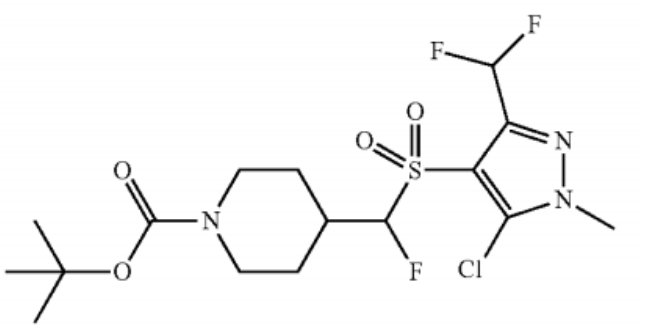
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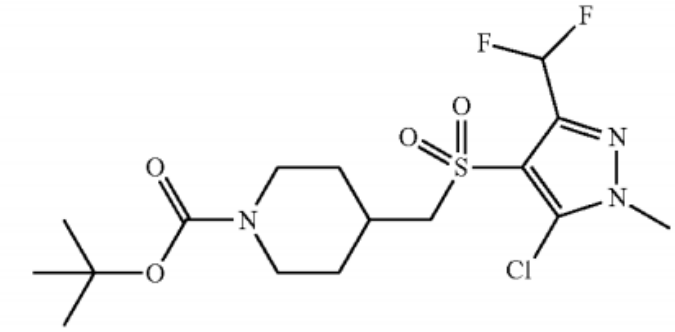
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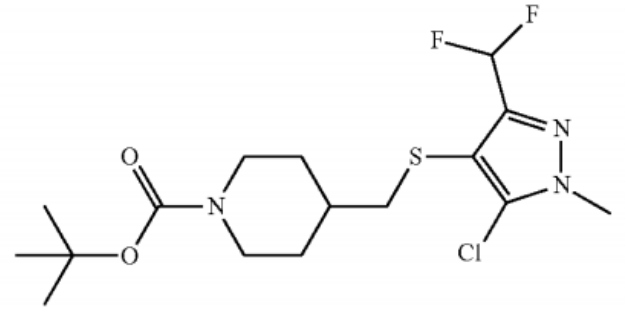
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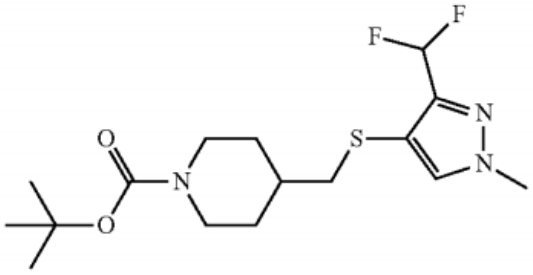
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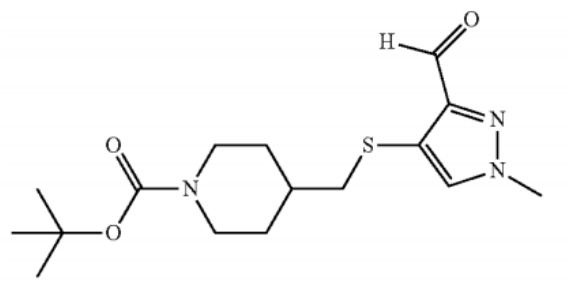
;



;



; and



;

or a salt thereof.